



```
us-10-661-049-8 gcaagagcat gcttttagta actatattaa gacacggrat tgttttaac
us-10-661-049-6 .....agt tgtggatctt gaacctctta ctgtgacctc
1101
us-10-661-049-2 .....
us-10-661-049-4 tgaatgacaga tctaacatag taatagat cttttctta tct.....
us-10-661-049-8 tgaataacaaa tctaacacag taatagat cttttctta tctgtttaca
us-10-661-049-6 cagcagctgaa atgttgatca taatgggtcg cgggatgaat taatgtgaa
1151
us-10-661-049-2 .....
us-10-661-049-4 .....taccatgta agtctgctcg tacaatgta aatggaatgc
us-10-661-049-8 ctggatatac caccatgta agtctctcg taccatgta aatggaatgc
us-10-661-049-6 gctggctgaa gtaaaatga aatgatctg catatgact taatcaatac
1201
us-10-661-049-2 .....
us-10-661-049-4 tgtttttccc ttatatcat cctggagaat taaatgrrat taaaataaa
us-10-661-049-8 tgttttagcc ttgcatcatc tgtgag.aat taaatgrrat taaaataaa
us-10-661-049-6 aagtcagatg ctggatcatg tgtgtgcaat tgaagrrat ttgaa.....
1251
us-10-661-049-2 .....
us-10-661-049-4 tgtttaaaa atagcaatt ttcaaacaca taatrra..agrraatlt
us-10-661-049-8 tgtttaaga atacaattt ttcaaataca taatrra..taaaaa tgcraatltc
us-10-661-049-6 .....taaaaa tgcraatltc
1301
us-10-661-049-2 .....
us-10-661-049-4 atgtgataaa gactaaatta taagacatgt aatcgttggc gtatcttgc
us-10-661-049-8 atgtgataaa gactaaatta taagacatla aatcgttggc gtatcttgc
us-10-661-049-6 acaaaaaaaaa aaaaaaaaa a-----
1351
us-10-661-049-2 .....
us-10-661-049-4 ttaatggrrt taaactatg taacatrra gcttggrrat atagrraat
us-10-661-049-8 ttaatggrrt taactatg taatggrrt ggggatrrag ctgagrrra
us-10-661-049-6 .....
1401
us-10-661-049-2 .....
us-10-661-049-4 gagagactcta gagaattgt gatraaaga tactgrrag cctgaaaaa
us-10-661-049-8 gagtgccttgc ctgcaagcg caagccctg grrtggrrc ttactccga
us-10-661-049-6 .....
1451
us-10-661-049-2 .....
us-10-661-049-4 aaaaaa
us-10-661-049-8 gggaa-
us-10-661-049-6 -----
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IntelliGenetics

GENALIGN - Multiple Sequence Alignment Program  
Release 5.4

Fri 7 Apr 106 6:57:56-PST

**Solution Parameters:**

```
Nucleic Alphabet = Identity
Output line length = 80
Compress = Off
Histogram = Off
Randomization = Off
```

```

AMINO-Res-length      = 2
Deletion-weight        = 5.00
Length-factor          = 0
Matching-weight        = 1.00
NUCLEIC-Res-length    = 4
Spread-factor          = 50

```

Clustered order of selected sequences:

2. US-10-661-049-4 (1-1432)
4. US-10-661-049-8 (1-1283)
3. US-10-661-049-6 (1-1223)
1. US-10-661-049-2 (1-957)



US-10-661 - 958

consensus -----a-----c-g---c-----a---aaa

Alignment score = -2479.00

Scoring matrix:

	1	2	3	4
1		-1569	-1232	-1621
2			-740	186
3				-300
4				

OM protein - protein search, using sw model

Run on: April 7, 2006, 06:52:28 ; Search time 191 Seconds  
(without alignments)  
731.531 Million cell updates/sec

Title: US-10-661-049-1  
Perfect score: 1700  
Sequence: 1 MLESSESSFLKGVMLGSIFCA.....FGHIFNDALVFLPPNGSDND 318

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2443163 seqs, 439378781 residues

Total number of hits satisfying chosen parameters: 324

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 1000 summaries

Database : A\_Geneseq\_21:\*  
1: geneseq1980a:\*  
2: geneseq1990a:\*  
3: geneseq2000a:\*  
4: geneseq2001a:\*  
5: geneseq2002a:\*  
6: geneseq2003a:\*  
7: geneseq2003bs:\*  
8: geneseq2004a:\*  
9: geneseq2005a:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result	No	Score	Query	Match	Length	DB	ID	Description
1	1700	100.0	318	2	AAY13402			Aay13402 Amino aci
2	1700	100.0	318	3	AAB18988			Aab18988 Amino aci
3	1700	100.0	318	3	ADC78653			Adc78653 Human PRO
4	1700	100.0	318	4	AAB80270			Aab80270 Human PRO
5	1700	100.0	318	4	AAU12358			Aau12358 Human PRO
6	1700	100.0	318	6	ABU71648			Abu71648 Human PRO
7	1700	100.0	318	6	ABO17802			Abol17802 Novel hum
8	1700	100.0	318	6	ABU71503			Abu71503 Human PRO

9	1700	100.0	318	6	ABU81056			Abu81056 Human PRO
10	1700	100.0	318	6	ABU71949			Abu71949 Human sec
11	1700	100.0	318	6	ABO01832			Abol01832 Novel hum
12	1700	100.0	318	6	ABU66756			Abu66756 Human PRO
13	1700	100.0	318	6	ABU54405			Abu54405 Human sec
14	1700	100.0	318	6	ABO47420			Abol47420 Human sec
15	1700	100.0	318	6	ABU59837			Abu59837 Novel sec
16	1700	100.0	318	6	ABO25027			Abol25027 Human sec
17	1700	100.0	318	6	ABU64557			Abu64557 Human sec
18	1700	100.0	318	6	ABU67403			Abu67403 Human sec
19	1700	100.0	318	6	ABO14923			Abol14923 Human sec
20	1700	100.0	318	6	ABU67032			Abu67032 Human sec
21	1700	100.0	318	6	ABU69680			Abu69680 Novel hum
22	1700	100.0	318	6	ABO14862			Abol14862 Human sec
23	1700	100.0	318	6	ADA45893			Ada45893 Novel hum
24	1700	100.0	318	6	ADA76324			Ada76324 Human PRO
25	1700	100.0	318	6	ADB29545			Adb29545 Human sec
26	1700	100.0	318	6	ADA18974			Ada18974 Human PRO
27	1700	100.0	318	6	ADA61597			Ada61597 Homo sapi
28	1700	100.0	318	6	ADB19382			Adb19382 Novel hum
29	1700	100.0	318	6	ADB27923			Adb27923 Human PRO
30	1700	100.0	318	6	ADA86402			Ada86402 Novel hum
31	1700	100.0	318	6	ADB15966			Adb15966 Human PRO
32	1700	100.0	318	6	ADA47752			Ada47752 Human PRO
33	1700	100.0	318	6	ADA18402			Ada18402 Human sec
34	1700	100.0	318	6	ABO32814			Abol32814 Human sec
35	1700	100.0	318	6	ADA67547			Ada67547 Human PRO
36	1700	100.0	318	6	ADB30554			Adb30554 Human PRO
37	1700	100.0	318	6	ADA85850			Ada85850 Novel hum
38	1700	100.0	318	6	ADA97062			Ada97062 Human PRO
39	1700	100.0	318	6	ADA79366			Ada79366 Human PRO
40	1700	100.0	318	6	ADA87505			Ada87505 Novel hum
41	1700	100.0	318	6	ADB16707			Adb16707 Human PRO
42	1700	100.0	318	6	ABO34874			Abol34874 Human PRO
43	1700	100.0	318	6	ADA16377			Ada16377 Human sec
44	1700	100.0	318	6	ADA91799			Ada91799 Novel hum
45	1700	100.0	318	6	ADB14862			Adb14862 Human PRO
46	1700	100.0	318	6	ADB18823			Adb18823 Novel hum
47	1700	100.0	318	6	ADA94038			Ada94038 Human PRO
48	1700	100.0	318	6	ADB19934			Adb19934 Novel hum
49	1700	100.0	318	6	ADB13246			Adb13246 Human PRO
50	1700	100.0	318	6	ABO43335			Abol43335 Novel hum
51	1700	100.0	318	6	ADA74500			Ada74500 Human PRO
52	1700	100.0	318	6	ADA42522			Ada42522 Human sec
53	1700	100.0	318	6	ADB24733			Adb24733 Human PRO
54	1700	100.0	318	6	ADA82257			Ada82257 Human PRO
55	1700	100.0	318	6	ADA75220			Ada75220 Human PRO
56	1700	100.0	318	6	ADA85298			Ada85298 Novel hum
57	1700	100.0	318	6	ADA84746			Ada84746 Novel hum
58	1700	100.0	318	6	ADB17552			Adb17552 Human PRO
59	1700	100.0	318	6	ADB10002			Adb10002 Human PRO
60	1700	100.0	318	6	ADA80530			Ada80530 Human PRO
61	1700	100.0	318	6	ADA75772			Ada75772 Human PRO
62	1700	100.0	318	6	ADA69997			Ada69997 Human PRO
63	1700	100.0	318	6	ADB25293			Adb25293 Human PRO
64	1700	100.0	318	6	ADA93469			Ada93469 Human PRO
65	1700	100.0	318	6	ADB26819			Adb26819 Human PRO

66	1700	100.0	318	6	ADB31106			Adb31106 Human PRO
67	1700	100.0	318	6	ADA61034			Ada61034 Homo sapi
68	1700	100.0	318	6	ADB24181			Adb24181 Human PRO
69	1700	100.0	318	6	ADA96510			Ada96510 Human PRO
70	1700	100.0	318	6	ADA81082			Ada81082 Human PRO
71	1700	100.0	318	6	ADA95958			Ada95958 Human PRO
72	1700	100.0	318	6	ADB26267			Adb26267 Human PRO
73	1700	100.0	318	6	ADB21752			Adb21752 Novel hum
74	1700	100.0	318	7	ADA77531			Ada77531 Human PRO
75	1700	100.0	318	7	ADB18271			Adb18271 Human PRO
76	1700	100.0	318	7	ADA86954			Ada86954 Novel hum
77	1700	100.0	318	7	ADA16801			Ada16801 Human sec
78	1700	100.0	318	7	ADA13230			Ada13230 Human sec
79	1700	100.0	318	7	ADA42098			Ada42098 Human sec
80	1700	100.0	318	7	ADA88057			Ada88057 Novel hum
81	1700	100.0	318	7	ADA64445			Ada64445 Novel hum
82	1700	100.0	318	7	ADA17445			Ada17445 Human sec
83	1700	100.0	318	7	ADA2948			Ada2948 Human sec
84	1700	100.0	318	7	ADB28475			Adb28475 Human PRO
85	1700	100.0	318	7	ADB29027			Adb29027 Human PRO
86	1700	100.0	318	7	ADA76979			Ada76979 Human PRO
87	1700	100.0	318	7	ADA88609			Ada88609 Novel hum
88	1700	100.0	318	7	ADA97614			Ada97614 Human PRO
89	1700	100.0	318	7	ADB27371			Adb27371 Human PRO
90	1700	100.0	318	7	ADB22304			Adb22304 Novel hum
91	1700	100.0	318	7	ABO17613			Abol17613 Human PRO
92	1700	100.0	318	7	ADA66995			Ada66995 Human PRO
93	1700	100.0	318	7	ADB22856			Adb22856 Human PRO
94	1700	100.0	318	7	ADB23629			Adb23629 Human PRO
95	1700	100.0	318	7	ADA92351			Ada92351 Novel hum
96	1700	100.0	318	7	ADB15414			Adb15414 Human PRO
97	1700	100.0	318	7	ADB38666			Adb38666 Novel hum
98	1700	100.0	318	7	ADB38114			Adb38114 Novel hum
99	1700	100.0	318	7	ADB66586			Adb66586 Novel hum
100	1700	100.0	318	7	ADB89666			Adb89666 Human PRO
101	1700	100.0	318	7	ADB90398			Adb90398 Human PRO
102	1700	100.0	318	7	ADB77866			Adb77866 Human sec
103	1700	100.0	318	7	ADB39499			Adb39499 Human sec
104	1700	100.0	318	7	ADB75002			Adb75002 Novel hum
105	1700	100.0	318	7	ADB47122			Adb47122 Novel hum
106	1700	100.0	318	7	ADB86729			Adb86729 Human PRO
107	1700	100.0	318	7	ADB77334			Adb77334 Novel hum
108	1700	100.0	318	7	ADB34491			Adb34491 Human PRO
109	1700	100.0	318	7	ADB35595			Adb35595 Human PRO
110	1700	100.0	318	7	ADB33939			Adb33939 Human PRO
111	1700	100.0	318	7	ADB35043			Adb35043 Human PRO
112	1700	100.0	318	7	ADB36147			Adb36147 Human PRO
113	1700	100.0	318	7	ADB46542			Adb46542 Novel hum
114	1700	100.0	318	7	ADC28649			Adc28649 Human sec
115	1700	100.0	318	7	ADC39849			Adc39849 Human sec
116	1700	100.0	318	7	ADC40363			Adc40363 Human sec
117	1700	100.0	318	7	ADC19187			Adc19187 Human sec
118	1700	100.0	318	7	ADC34487			Adc34487 Human sec
119	1700	100.0	318	7	ADC29542			Adc29542 Human sec
120	1700	100.0	318	7	ADC29073			Adc29073 Human sec
121	1700	100.0	318	7	ADC40958			Adc40958 Human sec
122	1700	100.0	318	7	ADC19615			Adc19615 Human sec
123	1700	100.0	318	7	ADC34063			Adc34063 Human sec
124	1700	100.0	318	7	ADC13133			Adc13133 Human sec
125	1700	100.0	318	7	ADC50415			Adc50415 Novel hum
126	1700	100.0	318	7	ADC71962			Adc71962 Novel hum
127	1700	100.0	318	7	ADC59941			Adc59941 Novel hum
128	1700	100.0	318	7	ADC52948			Adc52948 Novel hum
129	1700	100.0	318	7	ADC57302			Adc57302 Novel hum
130	1700	100.0	318	7	ADC50493			Adc50493 Novel hum
131	1700	100.0	318	7	ADC50968			Adc50968 Novel hum
132	1700	100.0	318	7	ADC65495			Adc65495 Human PRO
133	1700	100.0	318	7	ADC54593			Adc54593 Novel hum
134	1700	100.0	318	7	ADC53554			Adc53554 Novel hum
135	1700	100.0	318	7	ADC59077			Adc59077 Novel hum
136	1700	100.0	318	7	ADC55955			Adc55955 Novel hum
137	1700	100.0	318	7	ADC58525			Adc58525 Novel hum
138	1700	100.0	318	7	ADC12585			Adc12585 Human sec
139	1700	100.0	318	7	ADC03199			Adc03199 Novel hum
140	1700	100.0	318	7	ADC90191			Adc90191 Novel hum
141	1700	100.0	318	7	ADC59610			Adc59610 Human PRO
142	1700	100.0	318	7	ADC48499			Adc48499 Human PRO
143	1700	100.0	318	7	ADC10028			Adc10028 Human PRO
144	1700	100.0	318	7	ADC04603			Adc04603 Novel hum
145	1700	100.0	318	7	ADC80559			Adc80559 Novel hum
146	1700	100.0	318	7	ADC11066			Adc11066 Human PRO
147	1700	100.0	318	7	ADC47947			Adc47947 Human PRO
148	1700	100.0	318	7	ADC05140			Adc05140 Human sec

180	1700	100.0	318	7	ADD78917	Add78917 Human PRO	237	1700	100.0	318	8	ADF74018	Adf74018 Human sec
181	1700	100.0	318	7	AD32867	Ad32867 Novel hum	238	1700	100.0	318	8	ADG02290	Adg02290 Human PRO
182	1700	100.0	318	7	AD542559	Ad542559 Human PRO	239	1700	100.0	318	8	ADG22076	Adg22076 Novel hum
183	1700	100.0	318	7	AD80575	Ad80575 Human PRO	240	1700	100.0	318	8	ADG20146	Adg20146 Human PRO
184	1700	100.0	318	7	AD89603	Ad89603 Human PRO	241	1700	100.0	318	8	ADF98052	Adf98052 Human PRO
185	1700	100.0	318	7	AD50887	Ad50887 Human PRO	242	1700	100.0	318	8	ADG24269	Adg24269 Novel hum
186	1700	100.0	318	7	AD504686	Ad504686 Human PRO	243	1700	100.0	318	8	ADF98623	Adf98623 Human PRO
187	1700	100.0	318	7	AD592815	Ad592815 Human PRO	244	1700	100.0	318	8	ADG03454	Adg03454 Human PRO
188	1700	100.0	318	7	ADG21524	Adg21524 Novel hum	245	1700	100.0	318	8	ADF99175	Adf99175 Human PRO
189	1700	100.0	318	7	ADG231165	Adg231165 Novel hum	246	1700	100.0	318	8	ADG16760	Adg16760 Human PRO
190	1700	100.0	318	7	ADP97500	Adp97500 Human PRO	247	1700	100.0	318	8	ADG05219	Adg05219 Human PRO
191	1700	100.0	318	7	ADG80564	Adg80564 Human PRO	248	1700	100.0	318	8	ADG19486	Adg19486 Human PRO
192	1700	100.0	318	7	ADG80012	Adg80012 Human PRO	249	1700	100.0	318	8	ADF73594	Adf73594 Human sec
193	1700	100.0	318	7	ADH59457	Adh59457 Human sec	250	1700	100.0	318	8	ADG13323	Adg13323 Human PRO
194	1700	100.0	318	7	ADH55304	Adh55304 Novel hum	251	1700	100.0	318	8	ADG08380	Adg08380 Novel hum
195	1700	100.0	318	7	ADH55856	Adh55856 Novel hum	252	1700	100.0	318	8	ADG15550	Adg15550 Human PRO
196	1700	100.0	318	7	AD138236	Ad138236 Human sec	253	1700	100.0	318	8	ADF96948	Adf96948 Human PRO
197	1700	100.0	318	7	AD164075	Ad164075 Novel hum	254	1700	100.0	318	8	ADG06133	Adg06133 Human PRO
198	1700	100.0	318	7	AD163523	Ad163523 Novel hum	255	1700	100.0	318	8	ADG23717	Adg23717 Novel hum
199	1700	100.0	318	7	ADH81937	Adh81937 Novel hum	256	1700	100.0	318	8	ADG04006	Adg04006 Human PRO
200	1700	100.0	318	7	ADH81385	Adh81385 Novel hum	257	1700	100.0	318	8	ADG24907	Adg24907 Novel hum
201	1700	100.0	318	7	ADJ94162	Adj94162 Human gal	258	1700	100.0	318	8	ADG07204	Adg07204 Novel hum
202	1700	100.0	318	7	ADJ26504	Adj26504 Human sec	259	1700	100.0	318	8	ADG07756	Adg07756 Novel hum
203	1700	100.0	318	7	ADM82554	Adm82554 Novel hum	260	1700	100.0	318	8	ADG55251	Adg55251 Novel hum
204	1700	100.0	318	7	ADN15953	Adn15953 Novel hum	261	1700	100.0	318	8	ADG60915	Adg60915 Novel hum
205	1700	100.0	318	7	ADN16582	Adn16582 Novel hum	262	1700	100.0	318	8	ADG62019	Adg62019 Novel hum
206	1700	100.0	318	7	ADN15401	Adn15401 Novel hum	263	1700	100.0	318	8	ADG92437	Adg92437 Human sec
207	1700	100.0	318	7	ADN14849	Adn14849 Novel hum	264	1700	100.0	318	8	ADG82220	Adg82220 Human PRO
208	1700	100.0	318	7	AD165024	Ad165024 Novel hum	265	1700	100.0	318	8	ADG57459	Adg57459 Novel hum
209	1700	100.0	318	8	ADC81111	Adc81111 Novel hum	266	1700	100.0	318	8	ADG56907	Adg56907 Novel hum
210	1700	100.0	318	8	AD579419	Ad579419 Human sec	267	1700	100.0	318	8	ADG55803	Adg55803 Novel hum
211	1700	100.0	318	8	ADD76559	Add76559 Human PRO	268	1700	100.0	318	8	ADG58563	Adg58563 Novel hum
212	1700	100.0	318	8	ADD87923	Add87923 Human PRO	269	1700	100.0	318	8	ADG70929	Adg70929 Novel hum
213	1700	100.0	318	8	ADD86327	Add86327 Human PRO	270	1700	100.0	318	8	ADG92864	Adg92864 Human sec
214	1700	100.0	318	8	AD579843	Ad579843 Human sec	271	1700	100.0	318	8	ADG58011	Adg58011 Novel hum
215	1700	100.0	318	8	AD575775	Ad575775 Human PRO	272	1700	100.0	318	8	ADG53595	Adg53595 Novel hum
216	1700	100.0	318	8	AD735119	Ad735119 Human sec	273	1700	100.0	318	8	ADG71481	Adg71481 Novel hum
217	1700	100.0	318	8	AD23351	Ad23351 Human PRO	274	1700	100.0	318	8	ADG81668	Adg81668 Human PRO
218	1700	100.0	318	8	AD233903	Ad233903 Human PRO	275	1700	100.0	318	8	ADH30630	Adh30630 Human PRO
219	1700	100.0	318	8	AD24546	Ad24546 Human PRO	276	1700	100.0	318	8	ADH11997	Adh11997 Novel hum
220	1700	100.0	318	8	AD87371	Ad87371 Human PRO	277	1700	100.0	318	8	ADG52419	Adg52419 Novel hum
221	1700	100.0	318	8	AD59237	Ad59237 Human PRO	278	1700	100.0	318	8	ADG54147	Adg54147 Novel hum
222	1700	100.0	318	8	AD574054	Ad574054 Human sec	279	1700	100.0	318	8	ADG81116	Adg81116 Human PRO
223	1700	100.0	318	8	AD518376	Ad518376 Human PRO	280	1700	100.0	318	8	ADG56355	Adg56355 Novel hum
224	1700	100.0	318	8	AD588685	Ad588685 Human PRO	281	1700	100.0	318	8	ADH12621	Adh12621 Novel hum
225	1700	100.0	318	8	AD596608	Ad596608 Human sec	282	1700	100.0	318	8	ADG61467	Adg61467 Novel hum
226	1700	100.0	318	8	AD594705	Ad594705 Human PRO	283	1700	100.0	318	8	ADH28554	Adh28554 Human PRO
227	1700	100.0	318	8	AD591116	Ad591116 Human PRO	284	1700	100.0	318	8	ADG54699	Adg54699 Novel hum
228	1700	100.0	318	8	AD595257	Ad595257 Human PRO	285	1700	100.0	318	8	ADG59739	Adg59739 Novel hum
229	1700	100.0	318	8	AD593367	Ad593367 Human PRO	286	1700	100.0	318	8	ADH20653	Adh20653 Human sec
230	1700	100.0	318	8	ADF34948	Adf34948 Human PRO	287	1700	100.0	318	8	ADH07508	Adh07508 Human sec
231	1700	100.0	318	8	AD598727	Ad598727 Human sec	288	1700	100.0	318	8	ADH60053	Adh60053 Human sec
232	1700	100.0	318	8	AD592263	Ad592263 Novel hum	289	1700	100.0	318	8	ADH07081	Adh07081 Human sec
233	1700	100.0	318	8	AD590564	Ad590564 Human PRO	290	1700	100.0	318	8	AD181163	Ad181163 Human PRO
234	1700	100.0	318	8	AD591711	Ad591711 Novel hum	291	1700	100.0	318	8	AD118823	Ad118823 Human sec
235	1700	100.0	318	8	AD599154	Ad599154 Human sec	292	1700	100.0	318	8	AD165543	Ad165543 Human sec
236	1700	100.0	318	8	ADG40624	Adg40624 Human sec	293	1700	100.0	318	8	AD137802	Ad137802 Human sec

294	1700	100.0	318	8	ADG09906	Adg09906 Novel hum	XX	
295	1700	100.0	318	8	ADH97602	Adh97602 Human sec	PD	25-MAR-1999.
296	1700	100.0	318	8	ADI15377	Adi15377 Novel hum	XX	
297	1700	100.0	318	8	ADG09254	Adg09254 Novel hum	PF	16-SEP-1998; 98WU-USO19330.
298	1700	100.0	318	8	ADI65970	Adi65970 Human sec	XX	
299	1700	100.0	318	8	ADI14709	Adi14709 Novel hum	PR	17-SEP-1997; 97US-0059113P.
300	1700	100.0	318	8	ADH60713	Adh60713 Human sec	PR	17-SEP-1997; 97US-0059115P.
301	1700	100.0	318	8	ADI18304	Adi18304 Novel hum	PR	17-SEP-1997; 97US-0059117P.
302	1700	100.0	318	8	ADJ99770	Adj99770 Human sec	PR	17-SEP-1997; 97US-0059119P.
303	1700	100.0	318	8	ADL08963	Adl08963 Human sec	PR	17-SEP-1997; 97US-0059121P.
304	1700	100.0	318	8	ADN25304	Adn25304 Human sec	PR	17-SEP-1997; 97US-0059122P.
305	1700	100.0	318	8	ADJ63585	Adj63585 Novel hum	PR	17-SEP-1997; 97US-0059184P.
306	1700	100.0	318	8	ADM30054	Adm30054 Human sec	PR	18-SEP-1997; 97US-0059263P.
307	1700	100.0	318	8	ADJ77480	Adj77480 Human PRO	PR	18-SEP-1997; 97US-0059266P.
308	1700	100.0	318	8	ADJ65602	Adj65602 Human PRO	PR	15-OCT-1997; 97US-0062125P.
309	1700	100.0	318	8	ADM27738	Adm27738 Human PRO	PR	17-OCT-1997; 97US-0062285P.
310	1700	100.0	318	8	ADM32139	Adm32139 Human Coe	PR	17-OCT-1997; 97US-0062287P.
311	1700	100.0	318	8	ADM42462	Adm42462 Human PRO	PR	21-OCT-1997; 97US-0063486P.
312	1700	100.0	318	8	AD06376	Ad06376 Human PRO	PR	24-OCT-1997; 97US-0062814P.
313	1700	100.0	318	8	ADM28324	Adm28324 Human PRO	PR	24-OCT-1997; 97US-0062816P.
314	1700	100.0	318	8	ADR11228	Adr11228 Human sec	PR	24-OCT-1997; 97US-0063045P.
315	1700	100.0	318	8	ADR18137	Adr18137 Human sec	PR	24-OCT-1997; 97US-0063120P.
316	1700	100.0	318	8	AD195806	Ad195806 Human PRO	PR	24-OCT-1997; 97US-0063121P.
317	1700	100.0	318	8	AD196358	Ad196358 Novel hum	PR	24-OCT-1997; 97US-0063127P.
318	1700	100.0	318	8	AD574776	Ad574776 Human sec	PR	24-OCT-1997; 97US-0063128P.
319	1700	100.0	318	8	ADS32310	Ads32310 Novel hum	PR	27-OCT-1997; 97US-0063327P.
320	1700	100.0	318	8	ADJ03294	Adj03294 Human PRO	PR	27-OCT-1997; 97US-0063329P.
321	1700	100.0	318	8	ADT03813	Adt03813 Human sec	PR	28-OCT-1997; 97US-0063541P.
322	1700	100.0	318	9	ADZ03345	Adz03345 Human sec	PR	28-OCT-1997; 97US-0063542P.
323	1700	100.0	318	9	AEA38051	Aea38051 Human sec	PR	28-OCT-1997; 97US-0063544P.
324	1700	100.0	318	9	AE314091	Ae314091 Cancer ce	PR	28-OCT-1997; 97US-0063549P.

XX  
PI Wood WI, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;  
XX  
XX WPI; 1999-329533/19.  
DR N-PSDB; AAX52273.  
XX  
XX New isolated human genes and polypeptides used in, e.g. treatment of  
PT gastrointestinal ulceration.  
XX  
PS Claim 12; Fig 120; 320pp; English.  
XX  
XX AAY13344-403 represent secreted and transmembrane human proteins. The  
CC cDNA sequences are obtained from cDNA libraries, prepared from fetal  
CC lung, fetal kidney, fetal brain, fetal liver and fetal retina. The  
CC encoded polypeptides have specific uses based on their homology to known  
CC polypeptides, e.g. PRO211 and PRO217 can be used for disorders associated  
CC with the preservation and maintenance of gastrointestinal mucosa and the  
CC repair of acute and chronic mucosal lesions (e.g. enterocolitis,  
CC Zollinger-Ellison syndrome, gastrointestinal ulceration and congenital  
CC microvillus atrophy), skin diseases associated with abnormal keratinocyte  
CC differentiation (e.g. psoriasis, epithelial cancers such as lung squamous  
CC cell carcinoma of the vulva and gliomas), potent effects on cell growth  
CC and development, diseases related to growth or survival of nerve cells  
CC including Parkinson's disease, Alzheimer's disease, ALS, neuropathies or  
CC cancer. PRO265 can be used as for fibromodulin, e.g. for reducing dermal  
CC scarring. PRO264 can be used as a target for anti-tumor drugs. PRO533 may  
CC be used in the treatment of Usher Syndrome or Atrophia areata; PRO269 can  
CC be used as an anti-thrombotic agent; PRO287 polypeptides and portions may  
CC have therapeutic applications in wound healing and tissue repair; PRO317  
CC can be used for treating problems of the kidney, uterus, endometrium,  
CC blood vessels, or related tissue, e.g. in the heart of genital tract  
XX  
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 2; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLESSSSFLKGVMLGSIFCALITMLGHIRIGHGNRHHHHHLLQAPNKSDILKISSEDER 60  
|||||  
Db 1 MLESSSSFLKGVMLGSIFCALITMLGHIRIGHGNRHHHHHLLQAPNKSDILKISSEDER 60  
  
Oy 61 MELSKSPRVYCIILVKPKDVSILMAAVKSTWTGHCKAEFFSSSENVKVFESINMDTNDMWL 120  
|||||  
Db 61 MELSKSPRVYCIILVKPKDVSILMAAVKSTWTGHCKAEFFSSSENVKVFESINMDTNDMWL 120  
  
Oy 121 MMRKAYKAFDKYRDQYNWFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180  
|||||  
Db 121 MMRKAYKAFDKYRDQYNWFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180  
  
Oy 181 VGMGGIVLSVESMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
|||||  
Db 181 VGMGGIVLSVESMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
  
Oy 241 DGKDVFNKTSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQGHVMMYGVYRLAFA 300  
|||||  
Db 241 DGKDVFNKTSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQGHVMMYGVYRLAFA 300

DR N-PSDB; AAA96501.  
XX  
XX New human transmembrane proteins are used to treat a disease or condition  
PT associated with decreased expression of functional HTMP e.g. Tourette's  
PT disorder, angina and leukemia.  
XX  
PS Disclosure; Page 105-106; 130pp; English.  
XX  
XX The present sequence represents a human transmembrane proteins (HTMP).  
CC Agonists and antagonists of the protein are used to treat a disease or  
CC condition associated with overexpression of the protein. Diseases and  
CC conditions which can be treated include cell proliferative,  
CC immunological, reproductive, smooth muscle and neurological disorders  
CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency  
CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,  
CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The  
CC polynucleotides may be used to detect and quantify gene expression in  
CC biopsied tissues where protein expression may be correlated with disease  
CC e.g. to determine absence, presence or excess expression of HTMP or to  
CC monitor regulation of HTMP expression during therapeutic intervention  
XX  
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLESSSSFLKGVMLGSIFCALITMLGHIRIGHGNRHHHHHLLQAPNKSDILKISSEDER 60  
|||||  
Db 1 MLESSSSFLKGVMLGSIFCALITMLGHIRIGHGNRHHHHHLLQAPNKSDILKISSEDER 60  
  
Oy 61 MELSKSPRVYCIILVKPKDVSILMAAVKSTWTGHCKAEFFSSSENVKVFESINMDTNDMWL 120  
|||||  
Db 61 MELSKSPRVYCIILVKPKDVSILMAAVKSTWTGHCKAEFFSSSENVKVFESINMDTNDMWL 120  
  
Oy 121 MMRKAYKAFDKYRDQYNWFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180  
|||||  
Db 121 MMRKAYKAFDKYRDQYNWFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180  
  
Oy 181 VGMGGIVLSVESMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
|||||  
Db 181 VGMGGIVLSVESMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
  
Oy 241 DGKDVFNKTSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQGHVMMYGVYRLAFA 300  
|||||  
Db 241 DGKDVFNKTSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQGHVMMYGVYRLAFA 300  
  
Oy 301 HIFNDALVFLPPNGSDND 318  
|||||  
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 3  
ADC78653  
ID ADC78653 standard; protein; 318 AA.  
XX  
AC ADC78653;

Oy 301 HIFNDALVFLPPNGSDND 318  
|||||  
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 2  
AAB18988  
ID AAB18988 standard; protein; 318 AA.  
XX  
AC AAB18988;  
XX  
DT 08-FEB-2001 (first entry)  
XX  
DE Amino acid sequence of a human transmembrane protein.  
XX  
KW Human; transmembrane protein; cell proliferation disorder; myeloma;  
KW reproductive disorder; smooth muscle disorder; neurological disorder;  
KW arteriosclerosis; leukaemia; acquired immunodeficiency syndrome; AIDS;  
KW allergy; ovulatory defect; angina; hypertension; stroke; epilepsy;  
KW Alzheimer's disease; Tourette's disorder.  
XX  
OS Homo sapiens.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 56  
FT /note= "potential phosphorylation site"  
FT Modified-site 66  
FT /note= "potential phosphorylation site"  
FT Modified-site 172  
FT /note= "potential phosphorylation site"  
FT Modified-site 180  
FT /note= "potential phosphorylation site"  
FT Modified-site 193  
FT /note= "potential phosphorylation site"  
FT Modified-site 254  
FT /note= "potential phosphorylation site"  
FT Modified-site 313  
FT /note= "potential glycosylation site"  
FT Modified-site 315  
FT /note= "potential phosphorylation site"  
XX  
PN WO200056891-A2.  
XX  
PD 28-SEP-2000.  
XX  
PF 22-MAR-2000; 2000WO-US007817.  
XX  
PR 22-MAR-1999; 99US-0125537P.  
PR 16-JUN-1999; 99US-0139565P.  
XX  
PA (INCY-) INCYTE PHARM INC.  
XX  
PI Yue H, Lal P, Tang YT, Hillman JL, Reddy R, Bandman O;  
PI Baughn MR, Lu DAM, Azimzai Y, Yang J;  
XX  
DR WPI; 2000-579485/54.

XX  
DT 01-JAN-2004 (first entry)  
XX  
DE Human PRO310 protein.  
XX  
KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;  
KW neurotrophic; neuroprotective; vasotropic; chemotactic; angiogenic;  
KW neurotrophic; osteopathic; antiasthmatic; antiarthritic; antirheumatic;  
KW antiarteriosclerotic; cardiant; antidiabetic; cerebroprotective;  
KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;  
KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;  
KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;  
KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;  
KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;  
KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;  
KW diabetes; stroke; gene therapy; transgenic; PRO; human.  
XX  
OS Homo sapiens.  
XX  
PN WO200015796-A2.  
XX  
PD 23-MAR-2000.  
XX  
PF 15-SEP-1999; 99WO-US021090.  
XX  
PR 16-SEP-1998; 98WO-US019330.  
XX  
XX (GETH) GENENTECH INC.  
PI Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;  
PI Yuan J;  
XX  
DR WPI; 2000-271434/23.  
DR N-PSDB; ADC78652.  
XX  
PT Novel nucleic acids encoding secreted and transmembrane polypeptides with  
PT homology, e.g. to growth and cancer-associated antigens.  
XX  
PS Claim 12; SEQ ID NO 341; 355pp; English.  
XX  
CC The invention relates to a novel nucleic acid encoding a PRO polypeptide.  
CC The polypeptides and polynucleotides of the invention may be useful as  
CC research tools and as therapeutics for treating enterocolitis, Zollinger-  
CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,  
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal  
CC scarring and wound healing, nerve repair, thrombosis, bone and/or  
CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple  
CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,  
CC infertility, premature aging, AIDS, diabetes complications and stroke.  
CC The molecules may also be utilised during gene therapy procedures and  
CC transgenic animal production. The current sequence is that of the human  
CC PRO protein of the invention.  
XX  
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;



Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIKALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60  
 |||||  
 Db 1 MLSSSSFLKGVMLGSIKALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60

Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKGTWTKHCDKAEFFSSSENVKVFESINMDTNDMWL 120  
 |||||  
 Db 61 MELSKSFRVYCIILVKPKDVSLSMAAVKGTWTKHCDKAEFFSSSENVKVFESINMDTNDMWL 120

Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
 |||||  
 Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDQKLAVALCKYAGVFAENAEDA 240  
 |||||  
 Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDQKLAVALCKYAGVFAENAEDA 240

Oy 241 DGKDVFNKTSVGLSIKSAINTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMMYGVYRLRAFG 300  
 |||||  
 Db 241 DGKDVFNKTSVGLSIKSAINTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMMYGVYRLRAFG 300

Oy 301 HIFNDALVFLPPNGSDND 318  
 |||||  
 Db 301 HIFNDALVFLPPNGSDND 318

#### RESULT 4

AA880270  
 ID AA880270 standard; protein; 318 AA.  
 XX  
 AC AA880270;  
 XX  
 DT 24-APR-2001 (first entry)  
 XX  
 DE Human PRO310 protein.  
 XX  
 KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;  
 KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;  
 KW antiangiogenic; vasotropic; antiaesthetic; antirheumatic; cancer;  
 KW antiarthritic; antiinfertility; antidiabetic; antiviral; diabetes;  
 KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;  
 KW ischaemia; inflammation.  
 XX  
 OS Homo sapiens.  
 XX  
 PN W0200104311-A1.  
 XX  
 PD 18-JAN-2001.  
 XX  
 PF 22-FEB-2000; 2000WO-US004414.  
 XX  
 PR 07-JUL-1999; 99US-0143048P.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 28-JUL-1999; 99US-0146222P.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.

Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
 |||||  
 Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDQKLAVALCKYAGVFAENAEDA 240  
 |||||  
 Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDQKLAVALCKYAGVFAENAEDA 240

Oy 241 DGKDVFNKTSVGLSIKSAINTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMMYGVYRLRAFG 300  
 |||||  
 Db 241 DGKDVFNKTSVGLSIKSAINTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMMYGVYRLRAFG 300

Oy 301 HIFNDALVFLPPNGSDND 318  
 |||||  
 Db 301 HIFNDALVFLPPNGSDND 318

#### RESULT 5

AAU12358  
 ID AAU12358 standard; protein; 318 AA.  
 XX  
 AC AAU12358;  
 XX  
 DT 24-OCT-2001 (first entry)  
 XX  
 DE Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;  
 KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;  
 KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;  
 KW A-peptide; factor VIIA; gene therapy.  
 XX  
 OS Homo sapiens.  
 XX  
 PN W0200140466-A2.  
 XX  
 PD 07-JUN-2001.  
 XX  
 PF 01-DEC-2000; 2000WO-US032678.  
 XX  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 09-DEC-1999; 99US-0170262P.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.

PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 05-JAN-2000; 2000WO-US000219.  
 XX  
 PA (GETH) GENENTECH INC.  
 XX  
 PI Aahkenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N;  
 PI Pilvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;  
 PI Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin LJ;  
 PI Mather JP, Pan J, Peoni NF, Roy MA, Stewart TA, Tumas D;  
 PI Williams PM, Wood WI;  
 XX  
 DR WPI; 2001-081051/09.  
 DR N-PSDB; AAF72431.  
 XX  
 PT Sixty one nucleic acids encoding PRO polypeptides which are useful in the  
 PT treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous  
 PT cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's  
 PT disease).  
 XX  
 PS Claim 1; Fig 120; 393pp; English.  
 XX  
 CC The present sequence is one of sixty one novel secreted and transmembrane  
 CC PRO polypeptides. The PRO polypeptides are useful for treating skin  
 CC diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma),  
 CC gastrointestinal disorders (e.g. enterocolitis), neurodegenerative  
 CC diseases (e.g. Alzheimer's disease, Parkinson's disease), wound repair,  
 CC cardiovascular disorders (e.g. endometrial bleeding angiogenesis,  
 CC ischaemias such as coronary ischaemia, atherosclerosis), inflammatory  
 CC disorders (e.g. asthma, rheumatoid arthritis, multiple sclerosis),  
 CC infertility, AIDS and diabetes and retinal disorders such as retinitis  
 CC pigmentosa. The PRO nucleic acids have applications in molecular  
 CC biology, including use as hybridization probes, and in chromosome and  
 CC gene mapping  
 XX  
 SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 4; Length 318;  
 Best Local Similarity 100.0%; Pred. No. 1e-169;  
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIKALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60  
 |||||  
 Db 1 MLSSSSFLKGVMLGSIKALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60

Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKGTWTKHCDKAEFFSSSENVKVFESINMDTNDMWL 120  
 |||||  
 Db 61 MELSKSFRVYCIILVKPKDVSLSMAAVKGTWTKHCDKAEFFSSSENVKVFESINMDTNDMWL 120

PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 03-MAR-2000; 2000US-018702P.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 05-JUN-2000; 2000US-0209832P.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US020331.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 XX  
 PA (GETH) GENENTECH INC.  
 XX  
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI; 2001-408281/43.  
 DR N-PSDB; AAS21430.  
 XX  
 PT Isolated, secretory and transmembrane PRO polypeptide used to detect  
 PT other PRO polypeptides, link bioactive molecules to cells expressing PRO  
 PT polypeptides, and detect the presence of mammalian tumors e.g. lung,  
 PT breast, prostate, cervical.  
 XX  
 PS Claim 12; Fig 374; 813pp; English.

CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO  
 CC polypeptides. The PRO polypeptides are useful to detect other PRO  
 CC polypeptides, to link bioactive molecules to cells expressing PRO  
 CC polypeptides, to modulate biological activities of cells expressing PRO  
 CC polypeptides, and to detect the presence of mammalian lung, colon,  
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO  
 CC polypeptide expression in a cell sample to that in a control sample. Some  
 CC of the 275 sequences are also useful to stimulate the release of tumour  
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or  
 CC differentiation of chondrocytes, the proliferation or gene expression in  
 CC pericyte cells, the release of proteoglycans from cartilage, the  
 CC proliferation of inner ear utricular supporting cells or of T-  
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes  
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO  
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal  
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor  
 CC VIIA. The PRO polypeptides can be used in assays to identify molecules  
 CC involved in binding interactions. The polynucleotides encoding PRO

CC polypeptides can be used to generate probes, antisense RNA/DNA,  
CC transgenic or knock out animals and can be used in gene therapy  
XX  
SQ Sequence 318 AA;  
  
Query Match 100.0%; Score 1700; DB 4; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60  
|  
Db 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60  
  
Oy 61 MELSLSFRVYCIILVKPKDVSLSAAVKETWTGKCDKASFFSSENVKVFESINMDTNDMWL 120  
|  
Db 61 MELSLSFRVYCIILVKPKDVSLSAAVKETWTGKCDKASFFSSENVKVFESINMDTNDMWL 120  
  
Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIILENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
|  
Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIILENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
  
Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
|  
Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
  
Oy 241 DGKDVNTKSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLAFA 300  
|  
Db 241 DGKDVNTKSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLAFA 300  
  
Oy 301 HIFNDALVFLPPNGSDND 318  
|  
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 6

ABU71648  
ID ABU71648 standard; protein; 318 AA.  
XX  
AC ABU71648;  
XX  
DT 16-JUN-2003 (first entry)  
XX  
DS Human PRO polypeptide #59.  
XX  
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
KW pathological disorder; cardiac insufficiency disorder; protein secretion;  
KW pancreas; diabetes; gastrointestinal mucosa; mucosal lesion; psoriasis;  
KW skin disease; keratinocyte differentiation; epithelial cancer; tumour;  
KW lung squamous cell carcinoma; epidermoid carcinoma; vulva; glioma;  
KW cytostatic; cardiant; endocrine; antidiabetic; gastrointestinal;  
KW antitumor; dermatological; vulnerary.  
XX  
OS Homo sapiens.  
XX  
PN US2002146709-A1.  
XX  
PD 10-OCT-2002.

XX  
PF 18-JUL-2001; 2001US-00909088.  
XX  
PR 17-SEP-1997; 97US-0059113P.  
PR 17-SEP-1997; 97US-0059115P.  
PR 17-SEP-1997; 97US-0059117P.  
PR 17-SEP-1997; 97US-0059119P.  
PR 17-SEP-1997; 97US-0059121P.  
PR 17-SEP-1997; 97US-0059122P.  
PR 17-SEP-1997; 97US-0059184P.  
PR 18-SEP-1997; 97US-0059263P.  
PR 18-SEP-1997; 97US-0059266P.  
PR 15-OCT-1997; 97US-0062125P.  
PR 17-OCT-1997; 97US-0062285P.  
PR 17-OCT-1997; 97US-0062287P.  
PR 21-OCT-1997; 97US-0063486P.  
PR 24-OCT-1997; 97US-0062814P.  
PR 24-OCT-1997; 97US-0062816P.  
PR 24-OCT-1997; 97US-0063045P.  
PR 24-OCT-1997; 97US-0063120P.  
PR 24-OCT-1997; 97US-0063121P.  
PR 24-OCT-1997; 97US-0063127P.  
PR 24-OCT-1997; 97US-0063128P.  
PR 27-OCT-1997; 97US-0063327P.  
PR 27-OCT-1997; 97US-0063329P.  
PR 28-OCT-1997; 97US-0063541P.  
PR 28-OCT-1997; 97US-0063542P.  
PR 28-OCT-1997; 97US-0063544P.  
PR 28-OCT-1997; 97US-0063549P.  
PR 28-OCT-1997; 97US-0063550P.  
PR 28-OCT-1997; 97US-0063564P.  
PR 29-OCT-1997; 97US-0063435P.  
PR 29-OCT-1997; 97US-0063704P.  
PR 29-OCT-1997; 97US-0063732P.  
PR 29-OCT-1997; 97US-0063734P.  
PR 29-OCT-1997; 97US-0063735P.  
PR 29-OCT-1997; 97US-0063738P.  
PR 29-OCT-1997; 97US-0064215P.  
PR 31-OCT-1997; 97US-0063870P.  
PR 31-OCT-1997; 97US-0064103P.  
PR 03-NOV-1997; 97US-0064248P.  
PR 07-NOV-1997; 97US-0064809P.  
PR 12-NOV-1997; 97US-0065186P.  
PR 17-NOV-1997; 97US-0065846P.  
PR 18-NOV-1997; 97US-0065693P.  
PR 21-NOV-1997; 97US-0066120P.  
PR 21-NOV-1997; 97US-0066364P.  
PR 24-NOV-1997; 97US-0066453P.  
PR 24-NOV-1997; 97US-0066466P.  
PR 24-NOV-1997; 97US-0066511P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 24-NOV-1997; 97US-0066772P.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 01-DEC-1998; 98WO-US025108.

PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 18-SEP-2000; 2000US-00665350.

(GETH) GENENTECH INC.

PI Aeshkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;  
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MS, Goddard A;  
PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;  
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;  
PI Williams PM, Wood WI;

DR WPI; 2003-328338/31.  
DR N-PSDB; ACA59177.

PT Isolated nucleic acid useful for e.g., treating pathological disorders  
PT encodes a secreted or transmembrane protein.

PS Claim 12; Fig 120; 473pp; English.

XX  
CC The invention relates to human PRO polypeptides (secreted or  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC PRO polypeptides and polynucleotides can be used in treating pathological  
CC disorders and tumours, in therapeutic treatment of cardiac insufficiency  
CC disorders and in therapeutic treatment of disorders involving protein  
CC secretion by the pancreas, including diabetes. They can also be used in  
CC treating disorders associated with the preservation and maintenance of  
CC gastrointestinal mucosa and the repair of acute and chronic mucosal  
CC lesions, and skin diseases associated with abnormal keratinocyte  
CC differentiation (e.g., psoriasis, epithelial cancers such as lung  
CC squamous cell carcinoma, epidermoid carcinoma of the vulva and gliomas).  
CC The sequences can be used as molecular markers for protein  
CC electrophoresis purposes and can be utilised in protein-protein binding  
CC assays, biochemical screening assays, immunoassays and cell-based assays.  
CC This sequence represents a human PRO polypeptide of the invention

XX  
SQ Sequence 318 AA;  
  
Query Match 100.0%; Score 1700; DB 6; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60  
|  
Db 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60  
  
Oy 61 MELSLSFRVYCIILVKPKDVSLSAAVKETWTGKCDKASFFSSENVKVFESINMDTNDMWL 120  
|  
Db 61 MELSLSFRVYCIILVKPKDVSLSAAVKETWTGKCDKASFFSSENVKVFESINMDTNDMWL 120  
  
Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIILENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
|  
Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIILENLKYFLKKDPSQPFYLGHTIKSGDLEY 180  
  
Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
|  
Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240  
  
Oy 241 DGKDVNTKSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLAFA 300  
|  
Db 241 DGKDVNTKSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLAFA 300  
  
Oy 301 HIFNDALVFLPPNGSDND 318  
|  
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 7

ABO17802  
ID ABO17802 standard; protein; 318 AA.  
XX  
AC ABO17802;  
XX  
DT 26-AUG-2003 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO310.  
XX  
KW Human; secreted and transmembrane protein; PRO; antiinflammatory;  
KW antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic;  
KW antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;  
KW TNF-alpha release; cell proliferation; cell differentiation;  
KW gene expression modulator; proteoglycan release; cytokine release;  
KW tumour; inflammatory disease; organ failure; atherosclerosis;  
KW cardiac injury; infertility; birth defect; premature aging; AIDS;  
KW acquired immunodeficiency syndrome; cancer; diabetic complication;  
KW chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;  
KW bioreactor; tissue typing.  
XX  
OS Homo sapiens.  
XX  
PN US2003032156-A1.  
XX



PR 29-OCT-1997; 97US-0063735P.  
PR 29-OCT-1997; 97US-0063738P.  
PR 29-OCT-1997; 97US-0064215P.  
PR 31-OCT-1997; 97US-0063870P.  
PR 31-OCT-1997; 97US-0064103P.  
PR 03-NOV-1997; 97US-0064248P.  
PR 07-NOV-1997; 97US-0064809P.  
PR 12-NOV-1997; 97US-0065186P.  
PR 17-NOV-1997; 97US-0065846P.  
PR 18-NOV-1997; 97US-0065693P.  
PR 21-NOV-1997; 97US-0066120P.  
PR 21-NOV-1997; 97US-0066364P.  
PR 24-NOV-1997; 97US-0066453P.  
PR 24-NOV-1997; 97US-0066466P.  
PR 24-NOV-1997; 97US-0066511P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 24-NOV-1997; 97US-0066772P.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 01-DEC-1998; 98WO-US025108.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 18-SEP-2000; 2000US-00665350.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Aashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N,  
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;  
PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;  
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;  
PI Williams PM, Wood WI;  
XX  
DR WPI; 2003-361832/34.

DR N-PSDB; ACA58574.  
XX  
PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO245 or  
PRO1868, useful in molecular biology, chromosome and gene mapping, in  
PT generating antisense RNA and DNA, and in gene therapy.  
XX  
PS Claim 12; Fig 120; 474pp; English.  
XX  
CC The present invention relates to the isolation of novel human secreted  
CC and transmembrane proteins (PRO polypeptides), and the polynucleotide  
CC sequences encoding them. The polynucleotide sequences are useful in  
CC molecular biology, as hybridisation probes, in chromosome and gene  
CC mapping, in generating antisense RNA and DNA, and in gene therapy. The  
CC polynucleotide sequences may also be used in preparing PRO polypeptides  
CC by recombinant techniques, and in generating either transgenic animals or  
CC knock-out animals which, in turn, are useful in the development and  
CC screening of therapeutically useful reagents. The PRO polypeptides or  
CC their antibodies are useful in preparing a medicament for treating a  
CC condition responsive to the polypeptide or antibody, such as cancer,  
CC Alzheimer's disease or ischaemia, and in various diagnostic assays.  
CC ABU71445-ABU71505 represent human PRO polypeptides of the invention  
XX  
SQ Sequence 318 AA;  
Query Match 100.0%; Score 1700; DB 6; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 MLSESSSFLKGVMLGSI FCAITMLGHIRIGHGNRMHHHHHLLQAPNKEDI LKISIDER 60  
Db 1 MLSESSSFLKGVMLGSI FCAITMLGHIRIGHGNRMHHHHHLLQAPNKEDI LKISIDER 60  
Oy 61 MELSKSFRVYCI ILVKPKDVSINAAVKETWTKHCDKAEFFSSENVKVFES INMDTRDML 120  
Db 61 MELSKSFRVYCI ILVKPKDVSINAAVKETWTKHCDKAEFFSSENVKVFES INMDTRDML 120  
Oy 121 MKRKAYKAFDKYRDQYNNFFFLARPTTFAITENLKYFLLLKQSPQFFLGHITIKSGDLEY 180  
Db 121 MKRKAYKAFDKYRDQYNNFFFLARPTTFAITENLKYFLLLKQSPQFFLGHITIKSGDLEY 180  
Oy 181 VQMEGGIVLSVESMKRLNSLNI PEKCPQGGMIWKISEDQKQAVCLKYAGVFAENAE 240  
Db 181 VQMEGGIVLSVESMKRLNSLNI PEKCPQGGMIWKISEDQKQAVCLKYAGVFAENAE 240  
Oy 241 DGKDVFTKTSVGLSI KEAMTYPHNVVEGCCSDMAVTNGLTPNQHMVHYGVYRLRFG 300  
Db 241 DGKDVFTKTSVGLSI KEAMTYPHNVVEGCCSDMAVTNGLTPNQHMVHYGVYRLRFG 300  
Oy 301 HIFNDALVFLPPHSGSDND 318  
Db 301 HIFNDALVFLPPHSGSDND 318  
RESULT 9  
ABU81056  
ID ABU81056 standard; protein; 318 AA.  
XX

AC ABU81056;  
XX  
DT 23-JUN-2003 (first entry)  
XX  
DS Human PRO polypeptide #187.  
XX  
KW Human; PRO polypeptide; secreted and transmembrane protein;  
KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;  
KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;  
KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;  
KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;  
KW antidiabetic; anorectic; vulnerary; antiarthritic; osteopathic;  
KW antirheumatic; auditory; cerebroprotective; angiogenic.  
XX  
OS Homo sapiens.  
XX  
PH US2003004311-A1.  
XX  
PD 02-JAN-2003.  
XX  
PF 19-DEC-2001; 2001US-00028072.  
XX  
PR 18-JUN-1997; 97US-0049911P.  
PR 26-AUG-1997; 97US-0056974P.  
PR 17-SEP-1997; 97US-0059113P.  
PR 17-SEP-1997; 97US-0059115P.  
PR 17-SEP-1997; 97US-0059117P.  
PR 17-SEP-1997; 97US-0059122P.  
PR 17-SEP-1997; 97US-0059184P.  
PR 18-SEP-1997; 97US-0059263P.  
PR 19-SEP-1997; 97US-0059352P.  
PR 19-SEP-1997; 97US-0059588P.  
PR 24-SEP-1997; 97US-0059836P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 17-OCT-1997; 97US-0062285P.  
PR 17-OCT-1997; 97US-0062287P.  
PR 17-OCT-1997; 97US-0063755P.  
PR 24-OCT-1997; 97US-0062814P.  
PR 24-OCT-1997; 97US-0062816P.  
PR 24-OCT-1997; 97US-0063045P.  
PR 24-OCT-1997; 97US-0063082P.  
PR 24-OCT-1997; 97US-0063127P.  
PR 27-OCT-1997; 97US-0063327P.  
PR 27-OCT-1997; 97US-0063329P.  
PR 28-OCT-1997; 97US-0063550P.  
PR 28-OCT-1997; 97US-0063561P.  
PR 29-OCT-1997; 97US-0063704P.  
PR 29-OCT-1997; 97US-0063733P.  
PR 29-OCT-1997; 97US-0063735P.  
PR 29-OCT-1997; 97US-0063738P.  
PR 03-NOV-1997; 97US-0064248P.  
PR 07-NOV-1997; 97US-0064809P.  
PR 12-NOV-1997; 97US-0065186P.  
PR 17-NOV-1997; 97US-0065846P.  
PR 21-NOV-1997; 97US-0066364P.  
PR 24-NOV-1997; 97US-0066453P.  
PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.  
PR 11-DEC-1997; 97US-0069212P.  
PR 11-DEC-1997; 97US-0069278P.  
PR 11-DEC-1997; 97US-0069334P.  
PR 16-DEC-1997; 97US-0069694P.  
PR 23-JAN-1998; 98US-0072320P.  
PR 04-FEB-1998; 98US-0072612P.  
PR 09-FEB-1998; 98US-0074086P.  
PR 09-FEB-1998; 98US-0074092P.  
PR 12-MAR-1998; 98US-0077791P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 25-MAR-1998; 98US-0079294P.  
PR 27-MAR-1998; 98US-0079663P.  
PR 27-MAR-1998; 98US-0079728P.  
PR 31-MAR-1998; 98US-0080165P.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 10-MAR-1999; 99WO-US005190.  
PR 20-APR-1999; 99WO-US008615.  
PR 14-MAY-1999; 99WO-US010733.  
PR 02-JUN-1999; 99WO-US012252.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 30-NOV-1999; 99WO-US028409.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028551.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 20-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000326.

PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
DR WPI; 2003-352836/31.  
DR N-PSDB; ACA67180.  
XX  
PT New isolated PRO polypeptide useful for treating diabetes, rheumatoid  
PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or  
PT heart attack.  
XX  
PS Claim 12; Fig 374; 643pp; English.  
XX  
CC The present invention relates to the isolation of novel human PRO  
CC polypeptides, and the polynucleotide sequences encoding them. The PRO  
CC polypeptides are secreted and transmembrane proteins. The PRO  
CC polypeptides and polynucleotides are useful for preparing a medicament  
CC useful in the treatment of diabetes, bone and/or cartilage disorders  
CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,  
CC hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders  
CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic  
CC assays for PRO, by detecting its expression in specific cells, tissues or  
CC serum, and for affinity purification of PRO from recombinant cell culture  
CC or natural sources. ABUS0870-ABUS1144 represent the human PRO  
CC polypeptides of the invention. Note: The sequence data for this patent  
CC was obtained in electronic format directly from the USPTO web site at  
CC seqdata.uspto.gov/psipaDIDEntry.html  
XX  
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 MMRKAYKAFDKYRDQYNFFLARPTTFATINLKYFLLLKCDPSQPPYLGHITKSGDLEY 180

PR 28-OCT-1997; 97US-0063542P.  
PR 28-OCT-1997; 97US-0063544P.  
PR 28-OCT-1997; 97US-0063549P.  
PR 28-OCT-1997; 97US-0063550P.  
PR 28-OCT-1997; 97US-0063564P.  
PR 29-OCT-1997; 97US-0063435P.  
PR 29-OCT-1997; 97US-0063704P.  
PR 29-OCT-1997; 97US-0063732P.  
PR 29-OCT-1997; 97US-0063734P.  
PR 29-OCT-1997; 97US-0063735P.  
PR 29-OCT-1997; 97US-0063738P.  
PR 29-OCT-1997; 97US-0064215P.  
PR 31-OCT-1997; 97US-0063870P.  
PR 31-OCT-1997; 97US-0064103P.  
PR 03-NOV-1997; 97US-0064248P.  
PR 07-NOV-1997; 97US-0064809P.  
PR 12-NOV-1997; 97US-0065186P.  
PR 17-NOV-1997; 97US-0065846P.  
PR 18-NOV-1997; 97US-0065693P.  
PR 21-NOV-1997; 97US-0066120P.  
PR 21-NOV-1997; 97US-0066364P.  
PR 24-NOV-1997; 97US-0066453P.  
PR 24-NOV-1997; 97US-0066466P.  
PR 24-NOV-1997; 97US-0066511P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 24-NOV-1997; 97US-0066772P.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 01-DEC-1998; 98WO-US025108.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028311.  
PR 01-DEC-1999; 99WO-US028301.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 18-SEP-2000; 2000US-00665350.  
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Oy 181 VOMBOGIVLSVSSMKRLNLSLLNIPSKCPBOGGNIWKISDQKLAVCLKYAGVFAENADA 240  
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AC ABU71949;  
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DT 12-JUN-2003 (first entry)  
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DE Human secreted/transmembrane protein PRO310.  
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KM Human; secreted protein; transmembrane protein; PRO; gene therapy;  
KM chromosome identification; chromosome marker.  
XX  
OS Homo sapiens.  
XX  
PN US2003003530-A1.  
XX  
PD 02-JAN-2003.  
XX  
PF 11-JUL-2001; 2001US-00904011.  
XX

PR 17-SEP-1997; 97US-0059113P.  
PR 17-SEP-1997; 97US-0059115P.  
PR 17-SEP-1997; 97US-0059117P.  
PR 17-SEP-1997; 97US-0059119P.  
PR 17-SEP-1997; 97US-0059121P.  
PR 17-SEP-1997; 97US-0059122P.  
PR 17-SEP-1997; 97US-0059184P.  
PR 18-SEP-1997; 97US-0059263P.  
PR 18-SEP-1997; 97US-0059266P.  
PR 15-OCT-1997; 97US-0062125P.  
PR 17-OCT-1997; 97US-0062285P.  
PR 17-OCT-1997; 97US-0062287P.  
PR 21-OCT-1997; 97US-0063486P.  
PR 24-OCT-1997; 97US-0062814P.  
PR 24-OCT-1997; 97US-0062816P.  
PR 24-OCT-1997; 97US-0063045P.  
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PR 24-OCT-1997; 97US-0063121P.  
PR 24-OCT-1997; 97US-0063127P.  
PR 24-OCT-1997; 97US-0063128P.  
PR 27-OCT-1997; 97US-0063327P.  
PR 27-OCT-1997; 97US-0063329P.  
PR 28-OCT-1997; 97US-0063541P.

PA (GETH ) GENENTECH INC.  
XX  
PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;  
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;  
PI Godowski PJ, Grimaldi JC, Gurney AL, Hillen KJ, Klijavin IJ;  
PI Macher JP, Ren J, Paoni NF, Roy MA, Stewart TA, Tumas D,  
PI Williams PM, Wood WI;  
XX  
DR WPI; 2003-329602/31.  
DR N-PSDB; ACA60281.  
XX  
PT New transmembrane polypeptides and nucleic acids encoding the  
PT polypeptides, useful in gene therapy, in chromosome identification, as  
PT chromosome markers, in generating probes and in tissue typing.  
XX  
PS Claim 12; Fig 120; 484pp; English.  
XX  
CC The invention relates to an isolated nucleic acid with at least 80%  
CC nucleic acid sequence identity to a nucleotide sequence encoding one of  
CC 61 secreted/transmembrane polypeptides, or PRO polypeptides or encoding a  
CC PRO protein extracellular domain. Also included are a vector comprising  
CC the PRO nucleic acid, a host cell comprising the vector, producing a PRO  
CC polypeptide (by culturing the host cell for the expression of the PRO  
CC polypeptide, and recovering the PRO polypeptide from the cell culture),  
CC an isolated PRO polypeptide (having at least 80% sequence identity to:  
CC (a) an amino acid sequence selected from the 61 PRO proteins; (b) an amino  
CC acid sequence encoded by a nucleic acid molecule deposited with an ATCC  
CC number (detailed in the specification); or (c) an extracellular domain of  
CC a PRO polypeptide or to a PRO polypeptide lacking its associated signal  
CC peptide), a chimeric molecule comprising a PRO polypeptide of fused to a  
CC heterologous amino acid sequence, an anti-PRO antibody, detecting a  
CC PRO245 or PRO1868 in a sample suspected of containing the polypeptide,  
CC linking a bioactive molecule to a cell expressing a PRO245 or PRO1868 and  
CC modulating at least one biological activity of a cell expressing a PRO245  
CC or PRO1868. Nucleic acids which encode PRO can be used to generate either  
CC transgenic animals or knock-out animals which may be used in the  
CC development and screening of therapeutically useful reagents. The nucleic  
CC acids may also be used in gene therapy, in chromosome identification, as  
CC chromosome markers, or in generating probes. The PRO polypeptides are  
CC useful as molecular markers for protein electrophoresis, and the isolated  
CC nucleic acids may be used for recombinantly expressing those markers. The  
CC PRO polypeptides and nucleic acids may also be used in tissue typing.  
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, and in  
CC affinity purification of PRO from recombinant cell culture or natural  
CC sources. The present sequence represents a PRO protein  
XX  
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;  
Best Local Similarity 100.0%; Pred. No. 1e-169;  
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSESSSFLKGVMLGSIKALITMLGHIKIGHGNRMGHHHHHQAAPNKEDILKISEDER 60  
Db 1 MLSESSSFLKGVMLGSIKALITMLGHIKIGHGNRMGHHHHHQAAPNKEDILKISEDER 60  
Oy 61 MELSKSFRVYCIILVKPKDVSLSAAVKETWTXKCDKAEFFSSENVKVFESINMOTNDMWL 120

OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 06:50:29 ; Search time 5115 Seconds  
(without alignments)  
10635.226 Million cell updates/sec

Title: US-10-661-049-2  
Perfect score: 957  
Sequence: 1 atgctttctgaaagcagctc.....atggctctgacaatgactga 957

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : GenEmbl:\*  
1: gb\_ba:\*  
2: gb\_in:\*  
3: gb\_env:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pr:\*  
9: gb\_ro:\*  
10: gb\_sta:\*  
11: gb\_sy:\*  
12: gb\_un:\*  
13: gb\_vi:\*  
14: gb\_htg:\*  
15: gb\_pl:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	957	100.0	1192	8	BC011930	Homo sapi
2	957	100.0	1404	8	BC050441	Homo sapi

3	957	100.0	1471	8	AB084170	Homo sapi
4	957	100.0	1492	6	C0729548	Sequence
5	957	100.0	1492	8	AY159319	Homo sapi
6	957	100.0	1572	6	BD075648	Secretory
7	957	100.0	1572	6	BD172508	Secreted
8	957	100.0	1572	6	BD172827	Secreted
9	957	100.0	1572	6	BD173146	Secreted
10	957	100.0	1572	6	BD173465	Secreted
11	957	100.0	1572	6	BD175499	Secretory
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13	957	100.0	1572	6	AR439243	Sequence
14	957	100.0	1572	6	AR473263	Sequence
15	957	100.0	1572	6	AR527249	Sequence
16	957	100.0	1572	6	AR566282	Sequence
17	957	100.0	1572	6	AR592300	Sequence
18	957	100.0	1572	6	AR604574	Sequence
19	957	100.0	1572	6	AR605160	Sequence
20	957	100.0	1572	6	AR613825	Sequence
21	957	100.0	1572	6	AR635996	Sequence
22	957	100.0	1572	6	AR650725	Sequence
23	957	100.0	1572	6	AR657666	Sequence
24	957	100.0	1572	6	AX464240	Sequence
25	957	100.0	1572	6	AX697749	Sequence
26	957	100.0	1572	8	AY358642	Homo sapi
c 27	957	100.0	158907	8	AC011890	Homo sapi
28	956.6	100.0	1376	6	BD194853	86 human
29	956.6	100.0	1376	6	CO85181	Sequence
30	955.4	99.8	1477	6	AR339340	Sequence
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32	953.8	99.7	1605	8	HS238398	Homo sapi
33	915.4	95.7	1495	6	AX256063	Sequence
34	856.2	89.5	232322	14	AC164020	Bos tauru
35	822	85.9	1114	6	AX256062	Sequence
36	803.8	84.0	951	9	AB091728	Mus muscu
37	803.8	84.0	1429	9	AB030184	Mus muscu
38	803.8	84.0	1432	9	AY159320	Mus muscu
39	803.8	84.0	1481	9	BC029909	Mus muscu
c 40	803.8	84.0	179289	9	AL159063	Mouse DNA
41	799	83.5	1356	9	BC099818	Rattus no
42	799	83.5	240800	14	AC095964	Rattus no
43	799	83.5	274697	14	AC098240	Rattus no
44	617.8	64.6	188867	9	AC122012	Mus muscu
45	602.2	62.9	261323	14	AC131849	Rattus no

ALIGNMENTS

RESULT 1  
BC011930  
LOCUS BC011930 1192 bp mRNA linear PRI 06-MAR-2005  
DEFINITION Homo sapiens CIGALT1-specific chaperone 1, transcript variant 2,  
mRNA (cDNA clone MGC:19947 IMAGE:3355639), complete cds.  
ACCESSION BC011930  
VERSION BC011930.2 GI:33989208  
KEYWORDS MGC.  
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominidae; Homo  
REFERENCE 1 (bases 1 to 1192)  
AUTHORS Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD,  
Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg  
B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T,  
Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin  
GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL,  
Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Carninci P,  
Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy  
SJ, Bowak SA, McEwan PJ, McKernan KJ, Malek JA, Gunaratne PH,  
Richardson S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW,  
Villalón DK, Muzny DM, Sodergren EJ, Lu X, Gibbs RA, Fahey J,  
Helton E, Kettmann M, Madan A, Rodriguez S, Sanchez A, Whiting M,  
Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW,  
Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J,  
Schmutz J, Myers RM, Butterfield YS, Krzywinski MI, Skalek U,  
Smailus DE, Schnerch A, Schein JE, Jones SJ and Marra MA.  
Mammalian Gene Collection Program Team  
Generation and initial analysis of more than 15,000 full-length  
human and mouse cDNA sequences  
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
12477932  
2 (bases 1 to 1192)  
REFERENCE Director MGC Project.  
AUTHORS Direct Submission  
TITLE Submitted (30-JUL-2001) National Institutes of Health, Mammalian  
Gene Collection (MGC), Cancer Genomics Office, National Cancer  
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,  
USA  
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
COMMENT On Aug 20, 2003 this sequence version replaced gi:15080349.  
Contact: MGC help desk  
Email: [cgaphe@mail.nih.gov](mailto:cgaphe@mail.nih.gov)  
Tissue Procurement: ATCC  
cDNA Library Preparation: Rubin Laboratory  
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
DNA Sequencing by: National Institutes of Health Intramural  
Sequencing Center (NISC),  
Gaithersburg, Maryland;  
Web site: <http://www.nisc.nih.gov/>  
Contact: [nisc\\_mgc@nhgri.nih.gov](mailto:nisc_mgc@nhgri.nih.gov)  
Akhter N., Ayele K., Beckstrom-Sternberg S.M., Benjamin B.,  
Blakesley R.W., Bouffard G.O., Breen K., Brinkley C., Brooks S.,  
Dietrich M.L., Granite S., Guan X., Gupta J., Haghighi P.,  
Hansen N., Ho S.-L., Karlina E., Kwong P., Laric P., Legaspi R.,  
Maduro O.L., Masiello C., Maskeri B., Mastrian S.D., McCloskey J.C.,  
McDowell J., Pearson R., Stantripop S., Thomas P.J., Touchman J.W.,  
Taurgeon C., Vogt J.L., Walker M.A., Wetherby K.D., Wiggins L.,  
Young A., Zhang L.-H. and Green E.D.  
Clone distribution: MGC clone distribution information can be found  
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
Series: IRAL Plate: 28 Row: b Column: 21  
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Oy 841 CTGACTCCTAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900  
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RESULT 2  
BC050441  
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DEFINITION Homo sapiens C1GALT1-specific chaperone 1, transcript variant 2, mRNA (cdna clone MGC:54192 IMAGE:5724507), complete cds.  
ACCESSION BC050441  
VERSION BC050441.1 GI:29792192  
KEYWORDS MGC.  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.  
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Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
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AUTHORS Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altachul SF, Zeeberg B, Buetow KH, Schaefer CP, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Heich F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TB, Brownstein MJ, Uedin TB, Toshiyuki S, Carninci P, Pargue C, Rabe SS, Loughellano KA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA, Gunaratne PH, Richards S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW, Villalón DK, Muzny DM, Sodergren EJ, Lu X, Gibbs RA, Fahey J, Helton E, Kettman M, Madan A, Rodriguez S, Sanchez A, Whiting M, Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW, Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J, Schmutz J, Myers RM, Butterfield YS, Krzywinski MI, Skaleka U, Smellus DE, Schnerch A, Schein JE, Jones SJ and Marra MA.  
CONSRM Mammalian Gene Collection Program Team  
TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
PUBMED 12477932  
REFERENCE 2 (bases 1 to 1404)  
AUTHORS Director MGC Project.  
TITLE Direct Submission  
JOURNAL Submitted (08-APR-2003) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA  
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
COMMENT Contact: MGC help desk  
Email: [cgapbs-rt@mail.nih.gov](mailto:cgapbs-rt@mail.nih.gov)  
Tissue Procurement: Invitrogen  
cDNA Library Preparation: Life Technologies, Inc.  
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305  
Web site: <http://www.shgc.stanford.edu>  
Contact: (Dickson, Mark) [mcdpaxil.stanford.edu](mailto:mcdpaxil.stanford.edu)  
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
Series: IRAK Plate: 98 Row: b Column: 13  
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 31542248.

FEATURES  
Location/Qualifiers  
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Db 1030 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1086

RESULT 3  
AB084170  
LOCUS AB084170 1471 bp mRNA linear PRI 04-DEC-2002  
DEFINITION Homo sapiens C1Gal-T2 mRNA for beta1,3-galactosyltransferase, comple cds.  
ACCESSION AB084170  
VERSION AB084170.1 GI:26017174  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Kudo,T., Iwai,T., Kubota,T., Iwasaki,H., Takayma,Y., Hiruma,T., Inaba,N., Zhang,Y., Gotoh,M., Togayachi,A. and Narimatsu,H.  
TITLE Molecular Cloning and Characterization of a Novel UDP-Gal:GalNAc6S Peptide beta 1,3-Galactosyltransferase (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan J. Biol. Chem. 277 (49), 47724-47731 (2002)  
JOURNAL 12361956  
PUBMED 2 (bases 1 to 1471)  
AUTHORS Kudo,T., Iwai,T., Iwasaki,H., Gotoh,M., Inaba,N., Hiruma,T., Togayachi,A. and Narimatsu,H.  
TITLE Direct Submission  
JOURNAL Submitted (19-APR-2002) Takeshi Kudo, National Institute of Advanced Industrial Science and Technology, Laboratory of Gene



Function Analysis, Institute of Molecular and Cell Biology;  
Central-2, 1-1-1 Umezono, Tsukuba, Ibaraki 305-8586, Japan  
(E-mail: t.kudoh@ist.go.jp, Tel: 81-298-61-3197, Fax: 81-298-61-3191)  
Location/Qualifiers  
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ORIGIN  
Query Match 100.0%; Score 957; DB 8; Length 1471;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 225 CATCATCACTACAAGCTCCTTAAAGAGAGATATCTGAAAATTTGAGAGGATGAGGCG 284  
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Oy 361 ATGATGAGAAAAGCTTACAAATACGCGTTTGATAAGTATAGAGCAATACAACTGGTTC 420  
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source 1. .1492  
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1492;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 377 CATCATCACTACAAGCTCCTTAAAGAGAGATATCTGAAAATTTGAGAGGATGAGGCG 436  
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Db 1005 CATATTTTCAATGATGCAATGTGTTTCTACCTCCAAATGTTTCTGCAATGACTGA 1061

RESULT 4  
CQ729548  
LOCUS CQ729548 1492 bp DNA linear PAT 03-FEB-2004  
DEFINITION Sequence 15482 from Patent WO02068579.  
ACCESSION CQ729548  
VERSION CQ729548.1 GI:42300896  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominidae; Homo.  
REFERENCE  
1  
AUTHORS Venter, C.J., Adams, M.C., Li, P.W. and Myers, E.W.  
TITLE Kits, such as nucleic acid arrays, comprising a majority of  
human exons or transcripts, for detecting expression and other uses  
thereof  
JOURNAL Patent: WO 02068579-A 15482 06-SEP-2002;  
PE Corporation (NY) (US)  
FEATURES  
Location/Qualifiers

Oy 721 GATGGAAGAGATGTTATTAATACCAATCTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
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RESULT 5  
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DEFINITION Homo sapiens core 1 beta3-galactosyltransferase-specific molecular  
chaperone (COSMC) mRNA, complete cds.  
ACCESSION AY159319  
VERSION AY159319.1 GI:26418105  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominidae; Homo.  
REFERENCE  
1 (bases 1 to 1492)  
Ju, T. and Cummings, R.D.  
TITLE A unique molecular chaperone Cosmc required for activity of the  
mammalian core 1 (beta3)-galactosyltransferase  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. (2002)  
12464682  
REFERENCE  
2 (bases 1 to 1492)  
Ju, T. and Cummings, R.D.  
TITLE Direct Submission  
JOURNAL Submitted (05-OCT-2002) Biochemistry & Molecular Biology,  
University of Oklahoma Health Sciences Center, 975 NE 10th Street,  
BRC 417, Oklahoma City, OK 73104, USA

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ORIGIN

Query Match 100.0%; Score 957; DB 8; Length 1492;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCAATTTCTGTGCT 60  
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Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGTCT 720  
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RESULT 6  
BD075648 1572 bp DNA linear PAT 27-AUG-2002  
LOCUS Secretory and transmembrane polypeptide and nucleic acid encoding  
DEFINITION the same.  
ACCESSION BD075648  
VERSION BD075648.1 GI:22621251  
KEYWORDS JP 2001516580-A/281  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominoidea; Homo.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Wood, W.I., Gurney, A.L., Goddard, A., Penica, D., Chen, J. and Yuan, J.  
TITLE Secretory and transmembrane polypeptide and nucleic acid encoding  
the same.  
JOURNAL Patent: JP 2001516580-A 281 02-OCT-2001;  
GENENTECH INC  
COMMENT OS Homo sapiens (human)  
PN JP 2001516580-A/281  
PD 02-OCT-2001  
PF 16-SEP-1998 JP 2000511867  
PR 17-SEP-1997 US 60/059115, 17-SEP-1997 US 60/059184 PR  
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PI WILLIAM I WOOD, AUSTIN L GURNEY, AUDLEY GODDARD, DIANE PENICA, PI  
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encoding the same

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VERSION BD172508.1 GI:28413810  
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REFERENCE   1 (bases 1 to 1572)
AUTHORS    Wood,W.L., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
            Yuan,J.
TITLE       Secreted and transmembrane polypeptides and nucleic acids encoding
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JOURNAL     Patent: JP 2002238587-A 281 27-AUG-2002;

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24-NOV-1997 US 60/066453, 25-NOV-1997 US 60/066840 PI  
WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI  
JIAN ZHENG,  
PI JEAN YUAN  
PC C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC  
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DEFINITION      Secreted and transmembrane polypeptides and nucleic acids encoding
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REFERENCE      1 (bases 1 to 1572)
AUTHORS       Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
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TITLE         Secreted and transmembrane polypeptides and nucleic acids encoding
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JOURNAL       Patent: JP 2002238588-A 281 27-AUG-2002;
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               PD 27-AUG-2002
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               JIAN ZHENG.
               PI JEAN YUAN

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Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
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#### RESULT 11

BD175499

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

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Secretory and transmembrane polypeptide and nucleic acid encoding  
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JP 2002253280-A/281.  
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Yuan,J.  
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Patent: JP 2002253280-A 281 10-SEP-2002;  
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Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAACAGCCTT 680  
Oy 601 CTCATATCCCAAGAAAGTGTCTTGAACAGGAGGAGATTTTGAAGATATCTGAGAT 660  
Db 681 CTCATATCCCAAGAAAGTGTCTTGAACAGGAGGAGATTTTGAAGATATCTGAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGCAGAAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGCAGAAAGATGCT 800  
Oy 721 GATGAAAAGATGTATTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAGATGTATTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTACTTTTAATGGA 920  
Oy 841 CTGACTCMAATCAGATGCAATGTGATGATGATGGGATATACCGCTTAGGGCATTGGG 900  
Db 921 CTGACTCMAATCAGATGCAATGTGATGATGATGGGATATACCGCTTAGGGCATTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGTGTTTCTTACCTCMAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGTGTTTCTTACCTCMAATGGTCTGCAATGACTGA 1037

#### RESULT 12

AR410879  
LOCUS AR410879 1572 bp DNA linear PAT 18-DEC-2003  
DEFINITION Sequence 340 from patent US 6635468.  
ACCESSION AR410879  
VERSION AR410879.1 GI:40162379  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Aashkenazi,A., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N., Filvaroff,S., Fong,S., Geo,W.-O., Gerber,H., Gerritsen,M.S., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J., Kijavini,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A., Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6635468-A 340 21-OCT-2003;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 200  
Oy 121 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 180  
Db 201 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 260  
Oy 181 ATGGAGCTCAGTAAGAGCTTTTCAAGTATATCTGTAATCTCTGTAACCAAGATGTG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTTCAAGTATATCTGTAATCTCTGTAACCAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAACCTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAACCTGTGACAAAGCAGAGTTCTTC 380  
Oy 301 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATATGACACAAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATATGACACAAATGACATGTGTTA 440  
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGCAACATCAACTGGTTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGCAACATCAACTGGTTC 500

FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 200  
Oy 121 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 180  
Db 201 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 260  
Oy 181 ATGGAGCTCAGTAAGAGCTTTTCAAGTATATCTGTAATCTCTGTAACCAAGATGTG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTTCAAGTATATCTGTAATCTCTGTAACCAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAACCTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAACCTGTGACAAAGCAGAGTTCTTC 380  
Oy 301 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATATGACACAAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATATGACACAAATGACATGTGTTA 440  
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGCAACATCAACTGGTTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGCAACATCAACTGGTTC 500  
Oy 421 TTCTTTCAGCGCCCACTACGTTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 480  
Db 501 TTCTTTCAGCGCCCACTACGTTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 560  
Oy 481 AAGGATCCATCAGACGCTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGACGCTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGAGGAATTTGCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 600  
Db 621 GTGGGTATGGAAGAGGAATTTGCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 680  
Oy 601 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGCAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGCAAGATGCT 800

Oy 421 TTCTTTCAGCGCCCACTACGTTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 480  
Db 501 TTCTTTCAGCGCCCACTACGTTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 560  
Oy 481 AAGGATCCATCAGACGCTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGACGCTTCTATCTAGGACCACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGAGGAATTTGCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 600  
Db 621 GTGGGTATGGAAGAGGAATTTGCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 680  
Oy 601 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGCAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGCAAGATGCT 800  
Oy 721 GATGGAAGAGATGTTAATAACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGTTAATAACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCACCACCAACAGGTAGTAGAAGGCTGTGTTGATATGCTGTTACTTTTAAATGGA 840  
Db 861 TATCACCACCAACAGGTAGTAGAAGGCTGTGTTGATATGCTGTTACTTTTAAATGGA 920  
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTTAGGGGTATACCGCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTTAGGGGTATACCGCTTAGGGCATTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 1037

RESULT 13  
AR439243  
LOCUS AR439243 1572 bp DNA linear PAT 20-FEB-2004  
DEFINITION Sequence 340 from patent US 6664376.  
ACCESSION AR439243  
VERSION AR439243.1 GI:42665092  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Aashkenazi,A., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N., Filvaroff,S., Fong,S., Geo,W.-O., Gerber,H., Gerritsen,M.S., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J., Kijavini,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A., Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6664376-A 340 16-DEC-2003;  
Genentech, Inc.; South San Francisco, CA

Oy 721 GATGGAAGAGATGTTAATAACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGTTAATAACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 860  
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Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTTAGGGGTATACCGCTTAGGGCATTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 1037

RESULT 14  
AR473263  
LOCUS AR473263 1572 bp DNA linear PAT 20-FEB-2004  
DEFINITION Sequence 340 from patent US 6686451.  
ACCESSION AR473263  
VERSION AR473263.1 GI:42708638  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Mather,J.P., Williams,P.M. and Wood,W.I.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6686451-A 340 03-FEB-2004;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATAG 200  
Oy 121 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 180  
Db 201 CATCATCACTACAAGCTCCTTAACAAGAGATATCTGAAAATTTGAGAGGATGAGGC 260

Qy 181 ATGGAGCTCAGTAAGAGCTTTCGAGTATACGTATATCTCTGTAACCAACCAAGATGTG 240
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Db 321 AGTCTTTGGGCTGCGTAAGAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 380
Qy 301 AGTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACACAAATGACATGTGGTA 360
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Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 500
Qy 421 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTTAAAGTATTTTGTGTAATA 480
Db 501 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTTAAAGTATTTTGTGTAATA 560
Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
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Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 800
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Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATATGGGGTATACGCCCTTAGGGCAATTGGG 900
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Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 15
AR527249
LOCUS AR527249 1572 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 340 from patent US 6723535.

ACCESSION AR527249
VERSION AR527249.1 GI:53914166
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Ashkenazi,A., Botstein,D., Deenoyers,L., Eaton,D.L., Ferrara,N.,
Filvaroff,S., Fong,S., Gao,W.-O., Gerber,H., Gerritsen,M.E.,
Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J.,
Kljasin,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A.,
Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6723535-A 340 20-APR-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
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/organism="unknown"
/mol\_type="genomic DNA"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
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Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCACTAG 120
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Db 201 CATCATCACTCAAGCTCCTAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTTCGAGTATACGTATATCTCTGTAACCAACCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTCGAGTATACGTATATCTCTGTAACCAACCAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCGTAAGAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 300
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Qy 301 AGTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACACAAATGACATGTGGTA 360
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Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 500
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Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
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Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACGCTT 680
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 860
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Db 861 TATCACCCCAACAGGTAGTAGAGGCTGTGTTGAGATATGGCTGTACTTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATATGGGGTATACGCCCTTAGGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATATGGGGTATACGCCCTTAGGGCAATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 16
AR566282
LOCUS AR566282 1572 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 340 from patent US 6767995.
ACCESSION AR566282
VERSION AR566282.1 GI:53983192
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Deenoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6767995-A 340 27-JUL-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
/mol\_type="genomic DNA"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;

Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCACTAG 120
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Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 500
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Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACGCTT 680
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACAGGTAGTAGAGGCTGTGTTGAGATATGGCTGTACTTTTAAATGGA 840



Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTACTTTTAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 17  
AR592300  
LOCUS AR592300 1572 bp DNA linear PAT 15-DEC-2004  
DEFINITION Sequence 340 from patent US 6806352.  
ACCESSION AR592300  
VERSION AR592300.1 GI:56640873  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
Unclassified.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.  
TITLE Secrated and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6806352-A 340 19-OCT-2004;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTAAACAAGAGATATCTGAAAAATTCAGAGGATGAGCGC 180  
Db 201 CATCATCACTACAAGCTCCTAAACAAGAGATATCTGAAAAATTCAGAGGATGAGCGC 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTACTGTATATCTTGTAAAAACCAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTTGAAGTACTGTATATCTTGTAAAAACCAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 380

TITLE Secrated and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6818449-A 340 16-NOV-2004;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTAAACAAGAGATATCTGAAAAATTCAGAGGATGAGCGC 180  
Db 201 CATCATCACTACAAGCTCCTAAACAAGAGATATCTGAAAAATTCAGAGGATGAGCGC 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTACTGTATATCTTGTAAAAACCAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTTGAAGTACTGTATATCTTGTAAAAACCAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATAATGACATGTGTTA 440  
Qy 361 ATGATGAGAAAAGCTTACAATAAGCCTTTGATAGATATAGAGACCAATACACTGTTTC 420  
Db 441 ATGATGAGAAAAGCTTACAATAAGCCTTTGATAGATATAGAGACCAATACACTGTTTC 500  
Qy 421 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 560  
Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680  
Qy 601 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740

Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATAATGACATGTGTTA 440  
Qy 361 ATGATGAGAAAAGCTTACAATAAGCCTTTGATAGATATAGAGACCAATACACTGTTTC 420  
Db 441 ATGATGAGAAAAGCTTACAATAAGCCTTTGATAGATATAGAGACCAATACACTGTTTC 500  
Qy 421 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 560  
Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680  
Qy 601 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAAAAATGCAGAAAGTGCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAAAAATGCAGAAAGTGCT 800  
Qy 721 GATGGAAGAGATGTTTAAATACCAAACTGTGTGGGCTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGTTTAAATACCAAACTGTGTGGGCTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTACTTTTAAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 18  
AR604574  
LOCUS AR604574 1572 bp DNA linear PAT 15-DEC-2004  
DEFINITION Sequence 340 from patent US 6818449.  
ACCESSION AR604574  
VERSION AR604574.1 GI:56655589  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
Unclassified.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Fong,S., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.

Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAAAAATGCAGAAAGTGCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAAAAATGCAGAAAGTGCT 800  
Qy 721 GATGGAAGAGATGTTTAAATACCAAACTGTGTGGGCTTCTATTAAAGAGGCAATGACT 780  
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Db 981 CATATTTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 19  
AR605160  
LOCUS AR605160 1572 bp DNA linear PAT 15-DEC-2004  
DEFINITION Sequence 340 from patent US 6818746.  
ACCESSION AR605160  
VERSION AR605160.1 GI:56656674  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
Unclassified.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Goddard,A., Godowski,P.J., Gurney,A.L., Desnoyers,L. and Wood,W.I.  
TITLE Secrated and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6818746-A 340 16-NOV-2004;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTAAACAAGAGATATCTGAAAAATTCAGAGGATGAGCGC 180

Db 201 CATCATCACCTA CAAGCTCTTAA CAAAGAGATATCTTGAAAATTT CAGAGGATGAGCGC 260  
Oy 181 ATGAGAGCTCAGTAAGAGCTTTGAGATATACTGTATTATCTCTGTAAAACCCAAAGATGTG 240  
Db 261 ATGAGAGCTCAGTAAGAGCTTTGAGATATACTGTATTATCTCTGTAAAACCCAAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380  
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440  
Oy 361 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACACTGTGTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACACTGTGTC 500  
Oy 421 TTCTTGCACGCCCCACTACGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTGCACGCCCCACTACGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 560  
Oy 481 AAGGATCCATCA CAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCA CAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAA CAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAA CAGCCTT 680  
Oy 601 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAA CAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAAATGCAGAAAGATGCT 720  
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Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 20

AR613825  
LOCUS AR613825 1572 bp DNA linear PAT 15-DEC-2004  
DEFINITION Sequence 340 from patent US 6828146.  
ACCESSION AR613825  
VERSION AR613825.1 GI:56669867  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Hillen,K.J. and Wood,W.I.  
TITLE Nucleic acid encoding PRO229 polypeptides  
JOURNAL Patent: US 6828146-A 340 07-DEC-2004;  
Genentech, Inc.; South San Francisco, CA;  
WOX;  
FEATURES  
source Location/Qualifiers  
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/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN  
Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCA TGGAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCA TGGAATAGAAATGCAACCACTAG 200  
Oy 121 CATCATCACCTA CAAGCTCCTTAA CAAAGAGATATCTTGAAAATTT CAGAGGATGAGCGC 180  
Db 201 CATCATCACCTA CAAGCTCCTTAA CAAAGAGATATCTTGAAAATTT CAGAGGATGAGCGC 260  
Oy 181 ATGAGAGCTCAGTAAGAGCTTTGAGATATACTGTATTATCTCTGTAAAACCCAAAGATGTG 240  
Db 261 ATGAGAGCTCAGTAAGAGCTTTGAGATATACTGTATTATCTCTGTAAAACCCAAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380  
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360  
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Oy 361 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACACTGTGTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACACTGTGTC 500  
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Oy 481 AAGGATCCATCA CAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCA CAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAA CAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAA CAGCCTT 680  
Oy 601 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAA CAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAAATGCAGAAAGATGCT 720  
Db 741 AAA CAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAAATGCAGAAAGATGCT 800  
Oy 721 GATGGAAGAAGATGTTAATTAACCAAAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 780  
Db 801 GATGGAAGAAGATGTTAATTAACCAAAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAAC CAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAATGGA 840  
Db 861 TATCACCCCAAC CAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAATGGA 920  
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGATGAGGATATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGATGAGGATATACCGCCTTAGGGCATTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 21

AR635996  
LOCUS AR635996 1572 bp DNA linear PAT 14-FEB-2005  
DEFINITION Sequence 340 from patent US 6852848.  
ACCESSION AR635996  
VERSION AR635996.1 GI:59795656  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Goddard,A., Gurney,A.L. and Wood,W.I.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6852848-A 340 08-FEB-2005;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;

Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCA TGGAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCA TGGAATAGAAATGCAACCACTAG 200  
Oy 121 CATCATCACCTA CAAGCTCCTTAA CAAAGAGATATCTTGAAAATTT CAGAGGATGAGCGC 180  
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Oy 601 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTGAA CAGGAGGGATGATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAA CAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAAATGCAGAAAGATGCT 720  
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Oy 721 GATGGAAGAAGATGTTAATTAACCAAAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 780  
Db 801 GATGGAAGAAGATGTTAATTAACCAAAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAAC CAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAATGGA 840



Db 861 TATCACCCCAACCAAGGTAGTAGAGGCTGTGTTGATATGGCTGTACTTTTAATGGA 920  
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 22  
AR650725  
LOCUS 1572 bp DNA linear PAT 20-APR-2005  
DEFINITION Sequence 340 from patent US 6878807.  
ACCESSION AR650725  
VERSION AR650725.1 GI:62794616  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)  
AUTHORS Desnoyers, L., Goddard, A., Godowski, P.J., Gurney, A.L., Hillen, K.J. and Wood, W.I.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6878807-A 340 12-APR-2005;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACATGAG 120  
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AUTHORS Goddard, A., Godowski, P.J., Gurney, A.L., Wood, W.I. and Fong, S.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: US 6894148-A 340 17-MAY-2005;  
Genentech, Inc.; South San Francisco, CA  
FEATURES  
source Location/Qualifiers  
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCATTTTCTGTGCT 60  
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Db 501 TTCTTGGACGCCCCACTAGTTTGTCTATCTGAAATCTAAAGTATTTTGTGTTAAA 560  
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Db 561 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
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Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAGACTTAAAGCCTT 680  
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Oy 301 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGGACCAATAGCAATGATGTTTA 360  
Db 381 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGGACCAATAGCAATGATGTTTA 440  
Oy 361 ATGATGAGAAAGCTTACAATAAGCTTTGATAGTATAGAGACCAATAGCAATGTTGTT 420  
Db 441 ATGATGAGAAAGCTTACAATAAGCTTTGATAGTATAGAGACCAATAGCAATGTTGTT 500  
Oy 421 TTCTTGGACGCCCCACTAGTTTGTCTATCTGAAATCTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTGGACGCCCCACTAGTTTGTCTATCTGAAATCTAAAGTATTTTGTGTTAAA 560  
Oy 481 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAGACTTAAAGCCTT 680  
Oy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAAAAATGAGAAATGCT 720  
Db 741 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAAAAATGAGAAATGCT 800  
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Db 801 GATGAAAAGATGTATTTAATACCAATCTGTTGGCTTTCTATTAAAGAGGCAATGACT 860  
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Oy 841 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 23  
AR657666  
LOCUS 1572 bp DNA linear PAT 13-JUN-2005  
DEFINITION Sequence 340 from patent US 6894148.  
ACCESSION AR657666  
VERSION AR657666.1 GI:67591108  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1572)

Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAAAAATGAGAAATGCT 720  
Db 741 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAAAAATGAGAAATGCT 800  
Oy 721 GATGAAAAGATGTATTTAATACCAATCTGTTGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAGATGTATTTAATACCAATCTGTTGGCTTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTGATATGGCTGTACTTTTAATGGA 920  
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGTATGGGTATACCGCTTAGGGCATTTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 24  
AX464240  
LOCUS 1572 bp DNA linear PAT 16-JUL-2002  
DEFINITION Sequence 373 from Patent WO0140466.  
ACCESSION AX464240  
VERSION AX464240.1 GI:21899136  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Baker, K.P., Beresini, M., DeForge, L., Desnoyers, L., Filvaroff, E., Gao, M.Q., Gerritsen, M.B., Goddard, A., Godowski, P.J., Gurney, A.L., Sherwood, S., Smith, V., Stewart, T.A., Tamas, D., Watanabe, C.K., Wood, W.L. and Zhang, Z.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
JOURNAL Patent: WO 0140466-A 373 07-JUN-2001;  
Genentech Inc. (US)  
FEATURES  
source Location/Qualifiers  
1..1572  
/organism="Homo sapiens"  
/mol\_type="unassigned DNA"  
/db\_xref="taxon:9606"  
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 3.4e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCATTTTCTGTGCT 60

Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 140
Oy 61 TTGATCACTAGCTAGGACACATAGGATTTGCTAGGAAATAGAATGCCACCACATGAG 120
Db 141 TTGATCACTAGCTAGGACACATAGGATTTGCTAGGAAATAGAATGCCACCACATGAG 200
Oy 181 CATCATCACTCAAGCTCCTTAAACAAGAGATATCTTGAAGGATTTGAGAGGATGAGGCG 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAGAGATATCTTGAAGGATTTGAGAGGATGAGGCG 260
Oy 241 ATGGAGCTCAGTAAGAGCTTTGAGTAACTGATATATCTTGTAAACCCCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTAACTGATATATCTTGTAAACCCCAAGATGTG 320
Oy 301 AGTCTTTGGGCTGAGTAAAGAGACTTGAACCAACACTGTGCAAGAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAAGAGACTTGAACCAACACTGTGCAAGAGCAGAGTTCTTC 380
Oy 361 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 360
Db 381 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 440
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Oy 901 CATATTTTCAATGATGATGATGATTTCTTACCTCCTAAATGTTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGATGATGATTTCTTACCTCCTAAATGTTCTGCAATGACTGA 1037

RESULT 36
AY358642 1572 bp mRNA linear PRI 03-OCT-2003
LOCUS Homo sapiens clone DNA43046 HSPC067 (UNQ273) mRNA, complete cds.
DEFINITION
ACCESSION AY358642
VERSION AY358642.1 GI:37182405
KEYWORDS FLI\_CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Oy 901 CATATTTTCAATGATGATGATTTCTTACCTCCTAAATGTTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGATGATTTCTTACCTCCTAAATGTTCTGCAATGACTGA 1037

RESULT 25
AX697749 1572 bp DNA linear PAT 02-APR-2003
LOCUS
DEFINITION Sequence 340 from Patent WO0104311.
ACCESSION AX697749
VERSION AX697749.1 GI:29498825
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Suarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1
AUTHORS Ashkenazi,A.J., Botstein,D., Deenoyers,L., Eaton,D.L., Ferrara,N.,
Filvaroff,E., Fong,S., Gao,W.O., Gerber,H., Gerritsen,M.E.,
Goddard,A., Godowski,P.J., Grimaldi,C.J., Gurney,A.L., Hillan,K.J.,
Klajev,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A.,
Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 010431-A 340 18-JAN-2001;
Genentech Inc. (US)
FEATURES
source Location/Qualifiers
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 140
Oy 61 TTGATCACTAGCTAGGACACATAGGATTTGCTAGGAAATAGAATGCCACCACATGAG 120
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Oy 121 CATCATCACTCAAGCTCCTTAAACAAGAGATATCTTGAAGGATTTGAGAGGATGAGGCG 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAGAGATATCTTGAAGGATTTGAGAGGATGAGGCG 260
Oy 181 ATGGAGCTCAGTAAGAGCTTTGAGTAACTGATATATCTTGTAAACCCCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTAACTGATATATCTTGTAAACCCCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGAGTAAAGAGACTTGAACCAACACTGTGCAAGAGCAGAGTTCTTC 300

Mammalia; Eutheria; Suarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E.,
Heidens,S., Huang,A., Kim,H.S., Klimewski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,S., Sanchez,C.,
Schoenfeld,J., Seashagiri,S., Simmons,L., Singh,J., Smith,V.,
Stinson,J., Vagts,A., Vanden,R., Watanabe,C., Wiesand,D., Woods,K.,
Xie,M.H., Yansura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,W.I. and Godowski,P.
TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
JOURNAL Genome Res. 13 (10), 2265-2270 (2003)
PUBMED 12975309
REFERENCE 2 (bases 1 to 1572)
AUTHORS Clark,H.F.
TITLE Direct Submission
JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
FEATURES
source Location/Qualifiers
1..1572
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/db\_xref="taxon:9606"
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gene 1..1572
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CDS 81..1037
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ORIGIN

Query Match 100.0%; Score 957; DB 8; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 140
Oy 61 TTGATCACTAGCTAGGACACATAGGATTTGCTAGGAAATAGAATGCCACCACATGAG 120
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Query Match 100.0%; Score 957; DB 8; Length 158907;  
Best Local Similarity 100.0%; Pred. No. 1.1e-201;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGTTGTAGTCTTGAAGCATTTTCTGTCT 60  
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Oy 61 TTGATCACTATGCTAGGACATTAAGGATTGGTCATGGAAATAGAAATGACCACTAG 120  
Db 27274 TTGATCACTATGCTAGGACATTAAGGATTGGTCATGGAAATAGAAATGACCACTAG 27215  
Oy 121 CATCATCACTCAAGCTCTTAACTAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180  
Db 27214 CATCATCACTCAAGCTCTTAACTAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 27155  
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATTAATCTTGTAAACCCAAAGATGTG 240  
Db 27154 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATTAATCTTGTAAACCCAAAGATGTG 27095  
Oy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAACCTGTGACAAAGCAGAGTTCTTC 300  
Db 27094 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAACCTGTGACAAAGCAGAGTTCTTC 27035  
Oy 301 AGTTCTGAAATGTTAAAGTGTTCAGTCAATTAATAGGACAAATGACATGTGTTA 360

Db 27034 AGTTCTGAAATGTTAAAGTGTTCAGTCAATTAATAGGACAAATGACATGTGTTA 26975  
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCTTTGATAGTATAGAGACCAATACAACTGGTTC 420  
Db 26974 ATGATGAGAAAAGCTTACAAATACGCCTTTGATAGTATAGAGACCAATACAACTGGTTC 26915  
Oy 421 TTCTTGCAGCGCCCACTAGCTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480  
Db 26914 TTCTTGCAGCGCCCACTAGCTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 26855  
Oy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 540  
Db 26854 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 26795  
Oy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAAGCCTT 600  
Db 26794 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAAGCCTT 600  
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Db 26674 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATTTTGCAGAAAATGCAGAGATGCT 26615  
Oy 721 GATGAAAAGATGTATTTAAATACCAATCTTTGGGCTTTCTATTAAGAGGCAATGACT 780  
Db 26614 GATGAAAAGATGTATTTAAATACCAATCTTTGGGCTTTCTATTAAGAGGCAATGACT 26555  
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Db 26554 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTGCAGATATGCTGTTCTTTAAATGGA 26495  
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Db 26494 CTGACTCCAAATCAGATGCAATGTATGATGATATGAGGATATACCGCTTAAAGCAATTTGG 26435  
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Db 26434 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGTTTCTGCAATGACTGA 26378

RESULT 28  
BD194853  
LOCUS BD194853 1376 bp DNA linear PAT 17-JUL-2003  
DEFINITION 86 human secreted proteins.  
ACCESSION BD194853  
VERSION BD194853.1 GI:33004602  
KEYWORDS JP 2002514090-A/24.  
SOURCES unidentified  
ORGANISM unidentified  
unclassified.  
REFERENCE 1 (bases 1 to 1376)  
AUTHORS Moore,P.A., Shi,Y., Rosen,C.A., Ruben,S.M., Lafleur,D.W., Olsen,H.S., Ebner,R., Brewer,L.A., Young,P., Greene,J.M.,

TITLE Ferrie,A.M., Yu,G.L., Ni,J. and Feng,P.  
JOURNAL 86 human secreted proteins  
COMMENT Patent: JP 2002514090-A 24 14-MAY-2002;  
HUMAN GENOME SCIENCES INC  
OS Unidentified  
PN JP 2002514090-A/24  
PD 14-MAY-2002  
PF 11-JUN-1998 JP 1999503203  
PR 13-JUN-1997 US 60/049547,13-JUN-1997 US 60/049548 PR  
13-JUN-1997 US 60/049549,13-JUN-1997 US 60/049550 PR  
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12-SEP-1997 US 60/058750,12-SEP-1997 US 60/058971 PR  
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02-OCT-1997 US 60/061059,02-OCT-1997 US 60/061060 PI PAUL A  
MOORE, YANGGU SHI, CRAIG A ROSEN, STEVEN M RUBEN, DAVID W PI  
LAFLEUR,  
PI HENRIK S OLSEN, REINHARD EBNER, LAURIE A BREWER, PAUL YOUNG, JOHN  
PI M GREENE,  
PI ANN M FERRIE, GUO LIANG YU, JIAN NI, PING FENG  
PC C07H21/02, C07H21/04, C12N5/00, C12N5/04, C12N5/06, C12N5/10 PC  
C12N5/16, C12N5/00,  
PC C12N15/09, C12N15/10, C12N15/11, C12N15/12, C12P21/04, C12P21/06 CC  
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Query Match 100.0%; Score 957; DB 6; Length 1376;  
Best Local Similarity 99.9%; Pred. No. 4.2e-201;  
Matches 956; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 206 TTGATCACTATGCTAGGACATTAAGGATTGGTCATGGAAATAGAAATGACCACTAG 265  
Oy 121 CATCATCACTCAAGCTCTTAACTAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180

Db 266 CATCATCACTCAAGCTCTTAACTAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 325  
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATTAATCTTGTAAACCCAAAGATGTG 240  
Db 326 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATTAATCTTGTAAACCCAAAGATGTG 385  
Oy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAACCACTGTGACAAAGCAGAGTTCTTC 300  
Db 386 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAACCACTGTGACAAAGCAGAGTTCTTC 445  
Oy 301 AGTTCTGAAATGTTAAAGTGTTCAGTCAATTAATAGGACAAATGACATGTGTTA 360  
Db 446 AGTTCTGAAATGTTAAAGTGTTCAGTCAATTAATAGGACAAATGACATGTGTTA 505  
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCTTTGATAGTATAGAGACCAATACAACTGGTTC 420  
Db 506 ATGATGAGAAAAGCTTACAAATACGCCTTTGATAGTATAGAGACCAATACAACTGGTTC 565  
Oy 421 TTCTTGCAGCGCCCACTAGCTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480  
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Db 626 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 685  
Oy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAAGCCTT 600  
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Db 746 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGATTTGGAAGATATCTGAAGAT 805  
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Db 926 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTGCAGATATGCTGTTCTTTAAATGGA 985  
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Db 986 CTGACTCCAAATCAGATGCAATGTATGATGATATGAGGATATACCGCTTAAAGCAATTTGG 1045  
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Db 1046 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGTTTCTGCAATGACTGA 1102

RESULT 29  
C0855181

LOCUS CQ855181 1376 bp DNA linear PAT 23-AUG-2004  
DEFINITION Sequence 25 from Patent: EP1439189.  
ACCESSION CQ855181  
VERSION CQ855181.1 GI:51510609  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominidae; Homo.  
REFERENCE 1  
AUTHORS Ruben, S.M., Ni, J., Rosen, C.A., Ebner, R., Young, P., Moore, P.A.,  
Feng, P., LaFleur, D.W., Olsen, H.S., Yanggu, S., Brewer, L.A.,  
Greene, J.M., Ferrie, A.M. and Yu, G.L.  
TITLE 86 Human Secreted Proteins  
JOURNAL Patent: EP 1439189-A 25 21-JUL-2004;  
Human Genome Sciences, Inc. (US)  
FEATURES  
source Location/Qualifiers  
1..1376  
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1376;  
Best Local Similarity 99.9%; Pred. No. 4.2e-201;  
Matches 956; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 146 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 205  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 120  
Db 206 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 265  
Qy 121 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180  
Db 266 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 325  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 240  
Db 326 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 385  
Qy 241 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 300  
Db 386 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 445  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 360  
Db 446 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 505  
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 420  
Db 506 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 565  
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Db 566 TTCCTTGCAGCCCCACTACGTTTGCTATCATGAAAACTAAAGTATTTTGTGTTAAA 625  
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540  
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Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAAGTGTAGATCAATGAAAGACTTAAACAGCCTT 600  
Db 686 GTGGGTATGGAAGGAGGAATGTCTTAAAGTGTAGATCAATGAAAGACTTAAACAGCCTT 745  
Qy 601 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 746 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 805  
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Db 806 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTTGCAAAAATGCAGAAAGATGCT 865  
Qy 721 GATGAAAAGATGTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 866 GATGAAAAGATGTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 925  
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Db 926 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 985  
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Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 1046 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1102

RESULT 30  
BX294172\_1/c  
LOCUS AR339340 1477 bp DNA linear PAT 17-AUG-2003  
DEFINITION Sequence 831 from patent US 6569662.  
ACCESSION AR339340  
VERSION AR339340.1 GI:33726197  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1477)  
AUTHORS Tang, Y.T., Zhou, P. and Drmenac, R.T.  
TITLE Nucleic acids and polypeptides  
JOURNAL Patent: US 6569662-A 831 27-MAY-2003;  
Hyseq, Inc.; Sunnyvale, CA  
FEATURES  
source Location/Qualifiers  
1..1477  
/organism="unknown"  
/mol\_type="genomic DNA"  
ORIGIN

Db 1011 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 1070  
Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCCTTAGGGCATTGGG 900  
Db 1071 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCCTTAGGGCATTGGG 1130  
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 1131 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1187

RESULT 31  
BX294172\_1/c  
WPCOMMENT  
Sequence split into 5 fragments LOCUS BX294172 Accession BX294172  
Fragment Name Begin End  
BX294172\_0 1 110000  
BX294172\_1 100001 210000  
BX294172\_2 200001 310000  
BX294172\_3 300001 410000  
BX294172\_4 400001 479363  
Continuation (2 of 5) of BX294172 from base 100001 (BX294172 Homo sapiens  
chromosome X clone XYac-126E9, WORKING DRAFT SEQUENCE, 4 unordered pieces.  
4/2003)

Query Match 99.8%; Score 955.4; DB 14; Length 110000;  
Best Local Similarity 99.9%; Pred. No. 2.8e-201;  
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 14874 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 14815  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 120  
Db 14814 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 14755  
Qy 121 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180  
Db 14754 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 14695  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 240  
Db 14694 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 14635  
Qy 241 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 300  
Db 14634 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 14575  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 360  
Db 14574 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 14515  
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 420  
Db 14514 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 14455

Query Match 99.8%; Score 955.4; DB 6; Length 1477;  
Best Local Similarity 99.9%; Pred. No. 7.7e-201;  
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 231 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 290  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 120  
Db 291 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAATGCACCACTAG 350  
Qy 121 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180  
Db 351 CATCATCACTCAAGCTCCTTAACAAGAGATATCTTGAATAATTCAGAGGATGAGGC 410  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 240  
Db 411 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAACCCAAAGATGTG 470  
Qy 241 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 300  
Db 471 AGTCTTTGGGCTGAGTAAAGAGACTTGGACCAACACTGTGCAAGCAGAGTTCTTC 530  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 360  
Db 531 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGGTTA 590  
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 420  
Db 591 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGAAGTATAGAGACCAATACACTGGTTC 650  
Qy 421 TTCCTTGCAGCCCCACTACGTTTGCTATCATGAAAACTAAAGTATTTTGTGTTAAA 480  
Db 651 TTCCTTGCAGCCCCACTACGTTTGCTATCATGAAAACTAAAGTATTTTGTGTTAAA 710  
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540  
Db 711 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 770  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAAGTGTAGATCAATGAAAGACTTAAACAGCCTT 600  
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Db 831 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 890  
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Db 951 GATGAAAAGATGTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 1010  
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Qy 421 TTCCTTGCACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 480  
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Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 14394 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 14335  
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Qy 721 GATGGAAAAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 14154 GATGGAAAAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 14095  
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 14094 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 14035  
Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900  
Db 14034 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 13975  
Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957  
Db 13974 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 13918

RESULT 32  
HSA238398 1605 bp mRNA linear PRI 20-DEC-2001  
LOCUS HSA238398 Homo sapiens mRNA for c38h2-11 protein.  
DEFINITION AJ238398.1 GI:17976700  
ACCESSION AJ238398.1  
VERSION AJ238398.1  
KEYWORDS c38h2-11 gene; c38h2-11 protein.  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Rubboli, F., Marchitelli, A., Ballabio, A. and Banfi, S.  
TITLE Identification and characterization of c38h2-11  
JOURNAL Unpublished  
REFERENCE 2 (bases 1 to 1605)  
AUTHORS Banfi, S.  
TITLE Direct Submission

Qy 421 TTCCTTGCACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 480  
Db 658 TTCCTTGCACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 717  
Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
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Qy 541 GTGGGTATGGAAGGAGGAATTGTCTTAAGTGTAGAATCAATGAAAGAGCTTAAACAGCCTT 600  
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Qy 721 GATGGAAAAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
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Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 840  
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Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900  
Db 1078 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1137  
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Db 1138 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1194

RESULT 33  
AX256063 1495 bp DNA linear PAT 10-OCT-2001  
LOCUS AX256063 Sequence 214 from Patent WO0170976.  
DEFINITION AX256063  
ACCESSION AX256063  
VERSION AX256063.1 GI:16075103  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Xu, J., Pyle, R.A. and Stolk, J.A.  
TITLE Compositions and methods for the therapy and diagnosis of ovarian and endometrial cancer  
JOURNAL Patent: WO 0170976-A 214 27-SEP-2001;  
CORIXA CORPORATION (US)  
FEATURES Location/Qualifiers  
source 1..1495

JOURNAL Submitted (20-APR-1999) Banfi S., Genetics, TIGEM (Telethon Institute of Genetics and Medicine), Via Olgettina, 58 Milen, 20132, ITALY

FEATURES  
source Location/Qualifiers  
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gene 1..1605  
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GVFAENAEADADGKDVNTKSVGLSIKSAITTHPNQVVEGCCSDMAVTFNGLTPNQKHV  
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ORIGIN  
Query Match 99.7%; Score 953.8; DB 8; Length 1605;  
Best Local Similarity 99.8%; Pred. No. 1.7e-200;  
Matches 955; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGGAGCAATTTCTGTGCT 60  
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Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGACCAACATGAG 120  
Db 298 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGACCAACATGAG 357  
Qy 121 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 180  
Db 358 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 417  
Qy 181 ATGAGCTCAGTAAGAGCTTTCCAGTATACCTGATATCTGTTGTTAAACCAAGAGATGTT 240  
Db 418 ATGAGCTCAGTAAGAGCTTTCCAGTATACCTGATATCTGTTGTTAAACCAAGAGATGTT 477  
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGACTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300  
Db 478 AGTCTTTGGGCTGAGTAAGAGAGACTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 537  
Qy 301 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACCAAAATGACATGTGGTTA 360  
Db 538 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACCAAAATGACATGTGGTTA 597  
Qy 361 ATGATGAGAAAAGCTTACAAATACGCTTTGTAAGTATAGAGACCAATACACTGGTTC 420  
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ORIGIN  
Query Match 95.7%; Score 915.4; DB 6; Length 1495;  
Best Local Similarity 98.4%; Pred. No. 5.4e-192;  
Matches 946; Conservative 0; Mismatches 11; Indels 4; Gaps 2;  
Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGGAGCAATTTCTGTGCT 59  
Db 254 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGGAGCAATTTCTGTGCT 313  
Qy 60 TTGAT---CACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGACCAACCA 116  
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Qy 117 TGAGCATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGA 176  
Db 374 TGAGCATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGA 433  
Qy 177 GGGCATGGAGCTCAGTAAGAGCTTTCCAGTATACCTGATATCTGTTGTTAAACCAAGGA 236  
Db 434 GGGCATGGAGCTCAGTAAGAGCTTTCCAGTATACCTGATATCTGTTGTTAAACCAAGGA 493  
Qy 237 TGTGAGTCTTTGGGCTGAGTAAGAGAGACTGGACCAAACTGTGCAAAAGCAGAGTT 296  
Db 494 TGTGAGTCTTTGGGCTGAGTAAGAGAGACTGGACCAAACTGTGCAAAAGCAGAGTT 553  
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Db 554 CTTGAGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACCAAAATGACATGTG 613  
Qy 357 GTTAATGATGAGAAAAGCTTACAAATACGCTTTGTAAGTATAGAGACCAATACACTG 416  
Db 614 GTTAATGATGAGAAAAGCTTACAAATACGCTTTGTAAGTATAGAGACCAATACACTG 673  
Qy 417 GTTCTTCTTGCACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTT 476  
Db 674 GTTCTTCTTGCACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTT 733  
Qy 477 AAAAAAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGA 536  
Db 734 AAAAAAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGA 793  
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Db 794 ATATGTGGGTATGGAAGGAGGAATTGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAG 853  
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Qy 657 AGATAACAGCTAGCAGTTTGCTGAAATATGCTGAGATTTTGCAGAAAATGCGAAGA 716  
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Qy      717 TGCTGATGGAAAAGATGTATTTAATACCAAATCTGTTGGGCTTTCTATTAAAGAGGCAAT 776
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Db      974 TGCTGATGGAAAAGATGTATTTAATACCAAATCTGTTGGGCTTTCTATTAAAGAGGCAAT 1033
      |||
Qy      777 GACTTATCACCCCAACCAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAA 836
      |||
Db     1034 GACTTATCACCCCAACCAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAA 1093
      |||
Qy      837 TGGACTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATT 896
      |||
Db     1094 TGGACTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATT 1153
      |||
Qy      897 TGGGCATATTTTCAATGATGCATTGGTTTTCTTACCTCCAAATGGTCTGACAATGACTG 956
      |||
Db     1154 TGGGCATATTTTCAATGATGCATTGGTTTTCTTACCTCCAAATGGTCTGACAATGACTG 1213
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Qy      957 A 957
      |
Db     1214 A 1214

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Search completed: April 7, 2006, 08:26:50  
Job time : 5120 secs



Oy 481 AAGGATCCATCAGAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 585 AAGGATCCATCAGAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 544  
Oy 541 OTGGGTATGGAGAGGAATTTCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCTT 600  
Db 645 GTGGGTATGGAGAGGAATTTCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCTT 704  
Oy 601 CTCATATCCAGAAAAGTGTCTTGAACAGGAGGATGTTGGAGATATCTGAAGAT 660  
Db 705 CTCATATCCAGAAAAGTGTCTTGAACAGGAGGATGTTGGAGATATCTGAAGAT 764  
Oy 661 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 720  
Db 765 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 824  
Oy 721 GATGGAAGAGATGTTTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 825 GATGGAAGAGATGTTTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 884  
Oy 781 TATCAACCCCAACAGGTAGTAGAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 840  
Db 885 TATCAACCCCAACAGGTAGTAGAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 944  
Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900  
Db 945 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1004  
Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957  
Db 1005 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1061

#### RESULT 4

AA552273

ID AA552273 standard; DNA; 1572 BP.

XX

AC AA552273;

XX

DT 25-JUN-1999 (first entry)

XX

DE Protein PRO310 cDNA clone DNA43046-1225.

XX

KW Secreted protein; transmembrane protein; human; enterocolitis;

KW Zollinger-Ellison syndrome; gastrointestinal ulceration;

KW congenital microvillus atrophy; skin disease; cell growth;

KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;

KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;

KW dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic;

KW wound healing; tissue repair; ss.

XX

OS Homo sapiens.

XX

PN W09914328-A2.

XX

PD 25-MAR-1999.

XX

DR WPI; 1999-229533/19.

DR P-PSDB; AAY13402.

XX

PT New isolated human genes and polypeptides used in, e.g. treatment of

PT gastrointestinal ulceration.

XX

PS Claim 2; Fig 119; 320pp; English.

XX

CC AA552213-74 encode secreted and transmembrane human proteins, and are  
CC obtained from cDNA libraries, prepared from fetal lung, fetal kidney,  
CC fetal brain, fetal liver and fetal retina. The encoded polypeptides have  
CC specific uses based on their homology to known polypeptides, e.g. PRO211  
CC and PRO217 can be used for disorders associated with the preservation and  
CC maintenance of gastrointestinal mucosa and the repair of acute and  
CC chronic mucosal lesions (e.g. enterocolitis, Zollinger-Ellison syndrome,  
CC gastrointestinal ulceration and congenital microvillus atrophy), skin  
CC diseases associated with abnormal keratinocyte differentiation (e.g.  
CC psoriasis, epithelial cancers such as lung squamous cell carcinoma of the  
CC vulva and gliomas), potent effects on cell growth and development,  
CC diseases related to growth or survival of nerve cells including  
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies or cancer.  
CC PRO265 can be used as for fibromodulin, e.g. for reducing dermal  
CC scarring. PRO264 can be used as a target for anti-tumor drugs. PRO533 may  
CC be used in the treatment of Usher Syndrome or Atrophia areata; PRO269 can  
CC be used as an anti-thrombotic agent; PRO287 polypeptides and portions may  
CC have therapeutic applications in wound healing and tissue repair; PRO317  
CC can be used for treating problems of the kidney, uterus, endometrium,  
CC blood vessels, or related tissue, e.g. in the heart of genital tract  
CC

SQ Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

Query Match 100.0%; Score 957; DB 2; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 7.8e-263;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCCTTTGAAGGCTGTGATGCTTGAAGCAATTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTGAAGGCTGTGATGCTTGAAGCAATTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGATTTGCTATGGAATAGAAATGCAACCAATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGATTTGCTATGGAATAGAAATGCAACCAATGAG 200  
Oy 121 CATCATCACTACAAGCTCCTTAAAGAGAGATATCTTGAATTTTCAAGAGTGAAGCGC 180  
Db 201 CATCATCACTACAAGCTCCTTAAAGAGAGATATCTTGAATTTTCAAGAGTGAAGCGC 260  
Oy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGATTTATCTCTTTTAAACCCCAAGATGTT 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGATTTATCTCTTTTAAACCCCAAGATGTT 320  
Oy 241 AGTCTTTGGGCTGCTAAAGAGAGCTTGAACCAACCACTGTGCAAGGAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCTAAAGAGAGCTTGAACCAACCACTGTGCAAGGAGAGTTCTTC 360  
Oy 301 AGTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGCAATGATGTTA 360

PF 16-SEP-1998; 98WO-US019330.

XX

PR 17-SEP-1997; 97US-0059113P.

PR 17-SEP-1997; 97US-0059115P.

PR 17-SEP-1997; 97US-0059117P.

PR 17-SEP-1997; 97US-0059119P.

PR 17-SEP-1997; 97US-0059121P.

PR 17-SEP-1997; 97US-0059122P.

PR 17-SEP-1997; 97US-0059184P.

PR 18-SEP-1997; 97US-0059263P.

PR 18-SEP-1997; 97US-0059266P.

PR 15-OCT-1997; 97US-0062125P.

PR 17-OCT-1997; 97US-0062285P.

PR 17-OCT-1997; 97US-0062287P.

PR 21-OCT-1997; 97US-0061486P.

PR 24-OCT-1997; 97US-0062814P.

PR 24-OCT-1997; 97US-0062816P.

PR 24-OCT-1997; 97US-0063045P.

PR 24-OCT-1997; 97US-0063120P.

PR 24-OCT-1997; 97US-0063121P.

PR 24-OCT-1997; 97US-0063127P.

PR 24-OCT-1997; 97US-0063128P.

PR 27-OCT-1997; 97US-0063327P.

PR 27-OCT-1997; 97US-0063329P.

PR 28-OCT-1997; 97US-0063541P.

PR 28-OCT-1997; 97US-0063542P.

PR 28-OCT-1997; 97US-0063544P.

PR 28-OCT-1997; 97US-0063549P.

PR 28-OCT-1997; 97US-0063550P.

PR 28-OCT-1997; 97US-0063564P.

PR 29-OCT-1997; 97US-0063435P.

PR 29-OCT-1997; 97US-0063704P.

PR 29-OCT-1997; 97US-0063732P.

PR 29-OCT-1997; 97US-0063734P.

PR 29-OCT-1997; 97US-0063735P.

PR 29-OCT-1997; 97US-0063738P.

PR 29-OCT-1997; 97US-0064215P.

PR 31-OCT-1997; 97US-0063870P.

PR 31-OCT-1997; 97US-0064103P.

PR 03-NOV-1997; 97US-0064248P.

PR 07-NOV-1997; 97US-0064809P.

PR 12-NOV-1997; 97US-0065186P.

PR 17-NOV-1997; 97US-0065846P.

PR 18-NOV-1997; 97US-0065693P.

PR 21-NOV-1997; 97US-0066120P.

PR 21-NOV-1997; 97US-0066364P.

PR 24-NOV-1997; 97US-0066453P.

PR 24-NOV-1997; 97US-0066466P.

PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.

PR 24-NOV-1997; 97US-0066772P.

PR 25-NOV-1997; 97US-0066840P.

XX

PA (GETH ) GENENTECH INC.

XX

PI Wood WJ, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;

XX

Db 381 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGACATGTGGTTA 440  
Oy 361 ATGATGAGAAAAGCTTCAAAATACGCTTTGATAGTATAGAGACCAATCAACTGGTTC 420  
Db 441 ATGATGAGAAAAGCTTCAAAATACGCTTTGATAGTATAGAGACCAATCAACTGGTTC 500  
Oy 421 TTCTCTGCAAGCCCACTAGCTTTGCTATCATTTGAAACCTAAAGTATTTTTTGTAAAA 480  
Db 501 TTCTCTGCAAGCCCACTAGCTTTGCTATCATTTGAAACCTAAAGTATTTTTTGTAAAA 560  
Oy 481 AAGGATCCATCAGAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAGAGGAATTTCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCTT 600  
Db 621 GTGGGTATGGAGAGGAATTTCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCTT 680  
Oy 601 CTCATATCCAGAAAAGTGTCTTGAACAGGAGGATGTTGGAGATATCTGAAGAT 660  
Db 681 CTCATATCCAGAAAAGTGTCTTGAACAGGAGGATGTTGGAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 800  
Oy 721 GATGGAAGAGATGTTTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGTTTAAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCAACCCCAACAGGTAGTAGAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 840  
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Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900  
Db 921 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 980  
Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957  
Db 981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1037

#### RESULT 5

ADC78652

ID ADC78652 standard; cDNA; 1572 BP.

XX

AC ADC78652;

XX

DT 01-JAN-2004 (first entry)

XX

DE Human PRO310 cDNA.

XX

KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;

KW neurotrophic; vasotropic; chemotropic; angiogenic;

KW neurotrophic; osteopathic; antiaesthetic; antiarthritic; antirheumatic;

KW antiarteriosclerotic; cardiac; antidiabetic; cerebroprotective;



KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;  
KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;  
KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;  
KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;  
KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;  
KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;  
KW diabetes; stroke; gene therapy; transgenic; PRO; human; ss: gene.

OS Homo sapiens.

XX  
XX WO200015796-A2.

XX  
XX 23-MAR-2000.

XX  
XX 15-SEP-1999; 99WO-US021090.

XX  
XX 16-SEP-1998; 98WO-US019330.

XX  
XX (GSTH ) GENENTECH INC.

XX  
XX Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WJ;

XX  
XX Yuan J;

XX  
XX WPI; 2000-271434/23.

XX  
XX P-PSDB; ADC78653.

XX  
XX Novel nucleic acids encoding secreted and transmembrane polypeptides with

XX  
XX homology, e.g. to growth and cancer-associated antigens.

XX  
XX Claim 2; SEQ ID NO 340; 355pp; English.

XX  
XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.  
XX The polypeptides and polynucleotides of the invention may be useful as  
XX research tools and as therapeutics for treating enterocolitis, Zollinger-  
XX Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,  
XX Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal  
XX scarring and wound healing, nerve repair, thrombosis, bone and/or  
XX cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple  
XX sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,  
XX infertility, premature aging, AIDS, diabetes complications and stroke.  
XX The molecules may also be utilised during gene therapy procedures and  
XX transgenic animal production. The current sequence is that of the human  
XX PRO cDNA of the invention.

XX  
XX Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 7.8e-263;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCAATTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCAATTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGACCAACCATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGACCAACCATGAG 200

Oy 121 CATCATCACTACAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 180  
Db 201 CATCATCACTACAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 260  
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Oy 301 AGTTCTGAAAAATGTTAAAGTGTGTGAGTCAATTAATATGGACAAATGACATGTGGTTA 360  
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Db 441 ATGATGAGAAAAAGCTTACAAATACGCCCTTGTAGTATAGAGACCAATACAACTGGTTC 500  
Oy 421 TTCTTGCACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTTTGTAAAA 480  
Db 501 TTCTTGCACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTTTGTAAAA 560  
Oy 481 AAGGATCCATCAAGGCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAAGGCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAAAGACTTAAAGCCTT 680  
Oy 601 CTCAATATCCAGAAAAAGTGTCTTGAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAAGTGTCTTGAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTGCGAAAAATGCGAAGATGCT 720  
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Oy 721 GATGAAAAAGATGTATTAAATACCAATCTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAAGATGTATTAAATACCAATCTGTTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTTGATATGGCTGTTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTTGATATGGCTGTTACTTTTAAATGGA 920  
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGATGTTGGGTATACCGCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGATGTTGGGTATACCGCTTAGGGCATTGGG 980  
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 00:23:36 ; Search time 221 Seconds  
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Searched: 1303057 seqs, 888760826 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
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6: /cgn2\_6/ptodata/1/ina/PCUS\_COMB.seq:\*  
7: /cgn2\_6/ptodata/1/ina/PP\_COMB.seq:\*  
8: /cgn2\_6/ptodata/1/ina/RE\_COMB.seq:\*  
9: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	957	100.0	1572	3	US-09-907-794A-340	Sequence 340, App
2	957	100.0	1572	3	US-09-905-125A-340	Sequence 340, App
3	957	100.0	1572	3	US-09-902-775A-340	Sequence 340, App
4	957	100.0	1572	3	US-09-906-700A-340	Sequence 340, App
5	957	100.0	1572	3	US-09-903-603A-340	Sequence 340, App
6	957	100.0	1572	3	US-09-904-920A-340	Sequence 340, App
7	957	100.0	1572	3	US-09-909-064A-340	Sequence 340, App
8	957	100.0	1572	3	US-09-905-381A-340	Sequence 340, App

APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimeldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillay, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas P.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/907,794A  
CURRENT FILING DATE: 2001-07-17  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 340  
LENGTH: 1572

TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-907-794A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCTGTGCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGATTTGCTCATGGAATAGAAATGACACCATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGATTTGCTCATGGAATAGAAATGACACCATGAG 200  
Qy 121 CATCATCACTACAGCTCCTTAAACAAAGAGATATCTTGAATTTTCAAGGATGAGGCC 180  
Db 201 CATCATCACTACAGCTCCTTAAACAAAGAGATATCTTGAATTTTCAAGGATGAGGCC 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTCTTGTAAACCCAAAGATGTG 240  
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Db 321 AGTCTTTGGGCTGAGTAAGAGAGCTTGAACCAACACTGTGCAAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGTGTTA 360  
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Qy 661 AAACAGCTAGCAGTTTGTCTGAAAATATGCTGAGATTTGGAAGATATCTGAAGAT 720  
Db 741 AAACAGCTAGCAGTTTGTCTGAAAATATGCTGAGATTTGGAAGATATCTGAAGAT 800  
Qy 721 GATGGAAGAGATGTTTAAATCAAAATCTGTGGCTTTCTATTAAGAGGCAATGACT 780

Db 801 GATGGAAAAGATGTATTAAATACCAAACTCTTTGGGCTTTCTATTAAAGAGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCAATGTATGATGTATGGGGTATACCGCTTAGGGCAATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGTATGGGGTATACCGCTTAGGGCAATTGGG 980  
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 2

US-09-905-125A-340

; Sequence 340, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; CURRENT FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 340  
; LENGTH: 1572  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-09-905-125A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGCTGAAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGCTGAAATAGAAATGCAACCACTAG 200  
Qy 121 CATCATCACTCAAGCTCCTTAACAAAGAGATATCTTGAATTTTCAAGAGTAGAGGC 180  
Db 201 CATCATCACTCAAGCTCCTTAACAAAGAGATATCTTGAATTTTCAAGAGTAGAGGC 260  
Qy 181 ATGGAGCTCAGTAAGAGCTTTTCAAGTATACGTATTATCTCTTGAATTTTCAAGAGTAG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTTCAAGTATACGTATTATCTCTTGAATTTTCAAGAGTAG 320  
Qy 241 AGTCTTTGGGCTGCAAGAGAGCTTGAACAAACCTGTGCAAGAGCAGATTCTTC 300

Db 321 AGTCTTTGGGCTGCAAGAGAGCTTGAACAAACCTGTGCAAGAGCAGATTCTTC 380  
Qy 301 AGTTCTGAAAATGTTAAAGTGTTTAGATCAATTAATATGGACAAATGACATGTGGTTA 360  
Db 381 AGTTCTGAAAATGTTAAAGTGTTTAGATCAATTAATATGGACAAATGACATGTGGTTA 440  
Qy 361 ATGATGAAAAGCTTCAAAATACGGCTTTGATAGATATAGAGCAATACACTGTTTC 420  
Db 441 ATGATGAAAAGCTTCAAAATACGGCTTTGATAGATATAGAGCAATACACTGTTTC 500  
Qy 421 TTCTTTCACGCCCCACTACGTTTGTCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTTCACGCCCCACTACGTTTGTCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 560  
Qy 481 AAGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540  
Db 561 AAGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAAGACTTACAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGATCAATGAAAAGACTTACAGCCTT 680  
Qy 601 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAATATTTGCAAGAAATGCGAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGGCTGAAATATGCTGGAATATTTGCAAGAAATGCGAAGATGCT 800  
Qy 721 GATGAAAAGATGTATTAAATACCAAACTCTTTGGGCTTTCTATTAAAGAGCAATGACT 780  
Db 801 GATGAAAAGATGTATTAAATACCAAACTCTTTGGGCTTTCTATTAAAGAGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCAATGTATGATGTATGGGGTATACCGCTTAGGGCAATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGTATGGGGTATACCGCTTAGGGCAATTGGG 980  
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 3

US-09-902-775A-340

; Sequence 340, Application US/09902775A

; Patent No. 6686451

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/902,775A  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20



APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Saton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
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APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
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APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas P.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: GNE.1618P2C12  
CURRENT APPLICATION NUMBER: US/09/903,603A  
CURRENT FILING DATE: 2001-07-11  
PRIOR APPLICATION NUMBER: PCT/US99/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
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PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
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PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 340  
LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-903-603A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGCAACCATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGCAACCATGAG 200  
Oy 121 CATCATCACTACAAAGCTCTTAACTAGGATATCTTGAATAATTCAGAGGATGAGGCC 180  
Db 201 CATCATCACTACAAAGCTCTTAACTAGGATATCTTGAATAATTCAGAGGATGAGGCC 260  
Oy 181 ATGGAGCTCAGTAAGAGCTTTTGAGTATCTGTATTAATCTTGTAAATCCCAAGATGTTG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTTGAGTATCTGTATTAATCTTGTAAATCCCAAGATGTTG 320  
Oy 241 AGTCTTTGGGCTGCGATTAAGAGGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCGATTAAGAGGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 380  
Oy 301 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGCAAAATGCAATGCTGTGTTA 360  
Db 381 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGCAAAATGCAATGCTGTGTTA 440  
Oy 361 ATGATGAGAAAGCTTACAAATCGCTTTGATTAAGTATAGAGACCAATCAATCTGTTTC 420  
Db 441 ATGATGAGAAAGCTTACAAATCGCTTTGATTAAGTATAGAGACCAATCAATCTGTTTC 500  
Oy 421 TTCTTGCACGCCCCACTAGCTTTGCTATCATTGAAACCTAAAGTATTTTTTTTAAAA 480  
Db 501 TTCTTGCACGCCCCACTAGCTTTGCTATCATTGAAACCTAAAGTATTTTTTTTAAAA 560  
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACTTGAATAT 540  
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACTTGAATAT 620  
Oy 541 GTGGGTATGGAAGAGGAAATGTTCTTAAGTGTAGAATCAATGAAAGACTTAACAGCCTT 600  
Db 621 GTGGGTATGGAAGAGGAAATGTTCTTAAGTGTAGAATCAATGAAAGACTTAACAGCCTT 680

Oy 601 CTCAATATCCCAGAAAAGTGTCTGAACAGGGAGGGATGTTTGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCCAGAAAAGTGTCTGAACAGGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAGAAAATGCAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCGAGAAAATGCAAGATGCT 800  
Oy 721 GATGAAAAGATGTTAATTAACCAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 780  
Db 801 GATGAAAAGATGTTAATTAACCAATCTGTGGGCTTTCTATTAAGAGGCAATGACT 860  
Oy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 920  
Oy 841 CTGATCCCAATCAGATGCAATGATGATGATGAGGATATACCGCTTAGGGCAATTTGGG 900  
Db 921 CTGATCCCAATCAGATGCAATGATGATGATGAGGATATACCGCTTAGGGCAATTTGGG 980  
Oy 901 CATATTTTCAATGATGATGTTGTTTCTACCTCCAAATGTTCTGCAATGACTGTA 957  
Db 981 CATATTTTCAATGATGATGTTGTTTCTACCTCCAAATGTTCTGCAATGACTGTA 1037

RESULT 6  
US-09-904-920A-340  
Sequence 340, Application US/09904920A  
Patent No. 6806352  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Saton, Dan L.  
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APPLICANT: Fong, Sherman  
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APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/904,920A  
CURRENT FILING DATE: 2001-07-13  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
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PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 340  
LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-904-920A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGCAACCATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGCAACCATGAG 200

Qy 121 CATCATCCTCAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180  
Db 201 CATCATCCTCAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 260  
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAACCCAAAGATGTG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAACCCAAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGAACAAACCTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGAGACTTGAACAAACCTGTGACAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGAACAATGACATGTGGTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGAACAATGACATGTGGTA 440  
Qy 361 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420  
Db 441 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500  
Qy 421 TTCCTTGCAGGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGATTTTTTTTGTAAAA 480  
Db 501 TTCCTTGCAGGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGATTTTTTTTGTAAAA 560  
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTAAAAATCTGGAGACCTTGAATAT 540  
Db 620 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTAAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 680  
Qy 601 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGAGATGCT 800  
Qy 721 GATGGAAGAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCTCAACAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCTCAACAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGATGTGATGTATGGGATATACCGCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGATGTGATGTATGGGATATACCGCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTCTGCAATGACTGA 1037

; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 340  
; LENGTH: 1572  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-09-909-064-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 140  
Qy 61 TTGATCATTATGCTAGGACACATTAAGGATTGGTCAATGGAATAGAAATGACACCATGAG 120  
Db 141 TTGATCATTATGCTAGGACACATTAAGGATTGGTCAATGGAATAGAAATGACACCATGAG 200  
Qy 121 CATCATCCTCAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180  
Db 201 CATCATCCTCAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 260  
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAACCCAAAGATGTG 240  
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAACCCAAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGAACAAACCTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGAGACTTGAACAAACCTGTGACAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGAACAATGACATGTGGTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGAACAATGACATGTGGTA 440  
Qy 361 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420  
Db 441 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500  
Qy 421 TTCCTTGCAGGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGATTTTTTTTGTAAAA 480  
Db 501 TTCCTTGCAGGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGATTTTTTTTGTAAAA 560  
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTAAAAATCTGGAGACCTTGAATAT 540

RESULT 7  
US-09-909-064-340  
; Sequence 340, Application US/09909064  
; Patent No. 681849  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filveroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary S.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillen, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas P.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumes, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/909,064  
; CURRENT FILING DATE: 2001-07-15  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30

Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTAAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 680  
Qy 601 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGAGAAAATGAGAGATGCT 800  
Qy 721 GATGGAAGAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCTCAACAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCTCAACAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGATGTGATGTATGGGATATACCGCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGATGTGATGTATGGGATATACCGCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTCTGCAATGACTGA 1037

RESULT 8  
US-09-905-381A-340  
; Sequence 340, Application US/09905381A  
; Patent No. 6818746  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filveroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary S.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillen, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas P.  
; APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumes, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/905,381A  
CURRENT FILING DATE: 2001-07-13  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 340  
LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-905-381A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140

Oy 901 CATATTTTCAATGATGATGCTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGATGCTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

# RESULT 9

US-09-906-618-340  
Sequence 340, Application US/09906618  
Patent No. 6828146  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijevin, Ivar J.  
APPLICANT: Macher, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas P.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumes, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/906,618  
CURRENT FILING DATE: 2001-07-16  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089

Oy 61 TTGATCACTATGCTAGGACACATTAGATTTGGTCATGGAATAGAAATGCACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGATTTGGTCATGGAATAGAAATGCACCACTAG 200  
Oy 121 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCC 180  
Db 201 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCC 260  
Oy 181 ATGAGCTCAGTAAGAGCTTTCCAGTATATCTGTATATCTCTGTAAACCCAAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTCCAGTATATCTGTATATCTCTGTGTAAACCCAAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 300  
Db 321 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 380  
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGTTGAGTCAATTAATATGACACAAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTGTTGAGTCAATTAATATGACACAAATGACATGTGTTA 440  
Oy 361 ATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTGTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTGTC 500  
Oy 421 TTCTTTCGACGCCCACTACTGTTGCTATCACTGAAAACTAAAGTATTTTGTGTTAAA 480  
Db 501 TTCTTTCGACGCCCACTACTGTTGCTATCACTGAAAACTAAAGTATTTTGTGTTAAA 560  
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Oy 541 GTGGGTATGGAAGGAGGAATTTGCTTAAAGTATAGAAATCAATGAAAGACTTAAAGCCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATTTGCTTAAAGTATAGAAATCAATGAAAGACTTAAAGCCCTT 680  
Oy 601 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660  
Db 681 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740  
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTTGCAAAAAATGCAAGAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTTGCAAAAAATGCAAGAGATGCT 800  
Oy 721 GATGAAAAAGATGTTTAAATACCAAAATCTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAAGATGTTTAAATACCAAAATCTGTTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Oy 781 TATCAACCCACAGGTAGTAGAGGCTGTTGTTGATATGCTGTTTAAATGGA 840  
Db 861 TATCAACCCACAGGTAGTAGAGGCTGTTGTTGATATGCTGTTTAAATGGA 920  
Oy 841 CTGACTCAGAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900  
Db 921 CTGACTCAGAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 980

PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 340  
LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-906-618-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140  
Oy 61 TTGATCACTATGCTAGGACACATTAGATTTGGTCATGGAATAGAAATGCACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGATTTGGTCATGGAATAGAAATGCACCACTAG 200  
Oy 121 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCC 180  
Db 201 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCC 260  
Oy 181 ATGAGCTCAGTAAGAGCTTTCCAGTATATCTGTATATCTCTGTAAACCCAAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTCCAGTATATCTGTATATCTCTGTGTAAACCCAAAGATGTG 320  
Oy 241 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 300  
Db 321 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 380  
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGTTGAGTCAATTAATATGACACAAATGACATGTGTTA 360  
Db 381 AGTTCTGAAAAATGTTAAAGTGTGTTGAGTCAATTAATATGACACAAATGACATGTGTTA 440  
Oy 361 ATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTGTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTGTC 500  
Oy 421 TTCTTTCGACGCCCACTACTGTTGCTATCACTGAAAACTAAAGTATTTTGTGTTAAA 480



Db 501 |||||TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 560  
Qy 481 AAGGATCCATCAAGCCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAAGCCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAAGACTTAAAGCCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAAGACTTAAAGCCCTT 680  
Qy 601 CTCATATCCCAGAAAAGTGTCTTGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAGAAAAGTGTCTTGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCTGAAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800  
Qy 721 GATGAAAAGATGTATTTAAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAGATGTATTTAAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCAATGATGATGTATGGGATATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGATGATGTATGGGATATACCGCCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGATGTGGTTTCTTACCTCCAAATGGTCTGACAATGACTGA 957  
Db 981 CATATTTTCAATGATGATGTGGTTTCTTACCTCCAAATGGTCTGACAATGACTGA 1037

RESULT 10

US-09-906-646-340  
; Sequence 340, Application US/09906646  
; Patent No. 6852848  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary S.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumes, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/906,646  
; CURRENT FILING DATE: 2002-01-22  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 340  
; LENGTH: 1572  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-09-906-646-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;

Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140  
Qy 61 TTGATCACTATGCTAGGACACACTTAGGATTGTGATGGAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACACTTAGGATTGTGATGGAATAGAAATGCAACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTTAAAGGAAGATATCTTGAATAATTCAGAGGATGAGCGC 180  
Db 201 CATCATCACTACAAGCTCCTTAAAGGAAGATATCTTGAATAATTCAGAGGATGAGCGC 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTCTGTAAAAACCAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTCTGTAAAAACCAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGCTTGAACCAACACTGTGACAAAGCAGAGTTCTTC 300  
Db 321 AGTCTTTGGGCTGAGTAAGAGAGCTTGAACCAACACTGTGACAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360  
Db 381 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440  
Qy 361 ATGATGAGAAAAGCTTACAAATAGCCCTTTGTAAGTATAGAGACCAATACAACTGGTTC 420  
Db 441 ATGATGAGAAAAGCTTACAAATAGCCCTTTGTAAGTATAGAGACCAATACAACTGGTTC 500  
Qy 421 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAAACCTAAAGTATTTTGTGTAAAA 480  
Db 501 TTCTTGCAGCCCCACTACGTTTGCTATCATTTGAAAACCTAAAGTATTTTGTGTAAAA 560  
Qy 481 AAGGATCCATCAAGCCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAAGCCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAAGACTTAAAGCCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAAGACTTAAAGCCCTT 680  
Qy 601 CTCATATCCCAGAAAAGTGTCTTGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAGAAAAGTGTCTTGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCTGAAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800  
Qy 721 GATGAAAAGATGTATTTAAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGAAAAGATGTATTTAAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920

Qy 841 CTGACTCCAAATCAGATGCAATGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGATGATGTATGGGGTATACCGCCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGATGTGGTTTCTTACCTCCAAATGGTCTGACAATGACTGA 957  
Db 981 CATATTTTCAATGATGATGTGGTTTCTTACCTCCAAATGGTCTGACAATGACTGA 1037

RESULT 11

US-09-904-462-340  
; Sequence 340, Application US/09904462  
; Patent No. 6878807  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary S.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumes, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/904,462  
; CURRENT FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: 09/665,350  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08



PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO: 340  
LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-904-462-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCACTGGAAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCACTGGAAATAGAAATGCAACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTTAAACAAAGATATCTTGAAATTTTCAGAGGATGAGGCT 180  
Db 201 CATCATCACTACAAGCTCCTTAAACAAAGATATCTTGAAATTTTCAGAGGATGAGGCT 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAAACCAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAAACCAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGACCAAAACCTGTGCAAAAGCAGATTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGGAGACTTGACCAAAACCTGTGCAAAAGCAGATTCTTC 380  
Qy 301 AGTTCTGAAATGTTAAAGTGTGTGAGTCAATTAATGAGACAAATGACATGTGGTTA 360

Db 381 AGTTCTGAAATGTTAAAGTGTGTGAGTCAATTAATGAGACAAATGACATGTGGTTA 440  
Qy 361 ATGATGAGAAAGCTTACAAATACGCCCTTTGATAAGTATAGAGACCAATACACTGTTTC 420  
Db 441 ATGATGAGAAAGCTTACAAATACGCCCTTTGATAAGTATAGAGACCAATACACTGTTTC 500  
Qy 421 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTAAAA 480  
Db 501 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTAAAA 560  
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCTT 680  
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 800  
Qy 721 GATGGAAGAATGTTATTAATACCAAACTGTGTGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAGAATGTTATTAATACCAAACTGTGTGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCAACCCACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 840  
Db 861 TATCAACCCACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGATGTATGATGTATGGGTATACCGCCTTAGGGCATTGGG 900  
Db 921 CTGACTCCAAATCAGATGATGTATGATGTATGGGTATACCGCCTTAGGGCATTGGG 980  
Qy 901 CATATTTTCAATGATGCAATGGTTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 12  
US-09-902-736A-340  
Sequence 340, Application US/09902736A  
Patent No. 6894148  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/902, 736A  
CURRENT FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO: 340

LENGTH: 1572  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-09-902-736A-340  
Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.1e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCACTGGAAATAGAAATGCAACCACTAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCACTGGAAATAGAAATGCAACCACTAG 200  
Qy 121 CATCATCACTACAAGCTCCTTAAACAAAGATATCTTGAAATTTTCAGAGGATGAGGCT 180  
Db 201 CATCATCACTACAAGCTCCTTAAACAAAGATATCTTGAAATTTTCAGAGGATGAGGCT 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAAACCAAGATGTG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAAAACCAAGATGTG 320  
Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGACCAAAACCTGTGCAAAAGCAGATTCTTC 300  
Db 321 AGTCTTTGGGCTGCAGTAAAGGAGACTTGACCAAAACCTGTGCAAAAGCAGATTCTTC 380  
Qy 301 AGTTCTGAAATGTTAAAGTGTGTGAGTCAATTAATGAGACAAATGACATGTGGTTA 360  
Db 381 AGTTCTGAAATGTTAAAGTGTGTGAGTCAATTAATGAGACAAATGACATGTGGTTA 440  
Qy 361 ATGATGAGAAAGCTTACAAATACGCCCTTTGATAAGTATAGAGACCAATACACTGTTTC 420  
Db 441 ATGATGAGAAAGCTTACAAATACGCCCTTTGATAAGTATAGAGACCAATACACTGTTTC 500  
Qy 421 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTAAAA 480  
Db 501 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTAAAA 560  
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540  
Db 561 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCTT 680  
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 720  
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 800

Qy 721 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGGTATACCGCCTTAGGGCAATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGGTATACCGCCTTAGGGCAATTGGG 980  
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 13

US-09-906-722A-340

; Sequence 340, Application US/09906722A

; Patent No. 6946262

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: GNE.1618P2C61

; CURRENT APPLICATION NUMBER: US/09/906,722A

; CURRENT FILING DATE: 2001-07-16

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 340  
; LENGTH: 1572  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-09-906-722A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;  
Best Local Similarity 100.0%; Pred. No. 1.e-279;  
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 60  
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 140  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTTCATGGAATAGAAATGCAACCATGAG 120  
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTTCATGGAATAGAAATGCAACCATGAG 200  
Qy 121 CATCATCACTCAAGCTCCTTAAACAAGAAGATCTTGAAAAATTTGAGAGATGAGCGC 180  
Db 201 CATCATCACTCAAGCTCCTTAAACAAGAAGATCTTGAAAAATTTGAGAGATGAGCGC 260  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAGGTATCTGTATTATCCTTTGAAAAATTTGAGAGATG 240  
Db 261 ATGAGCTCAGTAAGAGCTTTTGAGGTATCTGTATTATCCTTTGAAAAATTTGAGAGATG 320  
Qy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 300

Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 380  
Qy 301 AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 360  
Db 381 AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 440  
Qy 361 ATGATGAGAAAAGCTTCAAAATCGCCTTTGATAAGTATAGAGCAATCAACTGGTTC 420  
Db 441 ATGATGAGAAAAGCTTCAAAATCGCCTTTGATAAGTATAGAGCAATCAACTGGTTC 500  
Qy 421 TTCTTGACGCGCCCACTAGTTTGCTATCATTTGAAAACTTAAGATATTTTGTGTTAAA 480  
Db 501 TTCTTGACGCGCCCACTAGTTTGCTATCATTTGAAAACTTAAGATATTTTGTGTTAAA 560  
Qy 481 AAGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGAGCCTTGAATAT 540  
Db 561 AAGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGAGCCTTGAATAT 620  
Qy 541 GTGGGTATGGAAGGAGGAATTTGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600  
Db 621 GTGGGTATGGAAGGAGGAATTTGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680  
Qy 601 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 660  
Db 681 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740  
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGAGAAAATGCAAGAGTGTCT 720  
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGAGAAAATGCAAGAGTGTCT 800  
Qy 721 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780  
Db 801 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860  
Qy 781 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840  
Db 861 TATCACCCCAACCAAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920  
Qy 841 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGGTATACCGCCTTAGGGCAATTGGG 900  
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGGTATACCGCCTTAGGGCAATTGGG 980  
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957  
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 14

US-09-620-312D-831

; Sequence 831, Application US/09620312D

; Patent No. 6569662

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan  
; APPLICANT: Chen, Rui-hong  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Zhou, Ping  
; APPLICANT: Ma, Yunqing  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Wang, Zhiwei  
; APPLICANT: John Tillinghast  
; APPLICANT: Drmanac, Radoje T.  
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and  
; TITLE OF INVENTION: Polypeptides  
; FILE REFERENCE: 784CIP2B  
; CURRENT APPLICATION NUMBER: US/09/620,312D  
; CURRENT FILING DATE: 2000-07-19  
; PRIOR APPLICATION NUMBER: 09/552,317  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/488,725  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 1105  
; SOFTWARE: pt\_FL\_genes Version 1.0  
; SEQ ID NO 831  
; LENGTH: 1477  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (231)..(1187)  
US-09-620-312D-831

Query Match 99.8%; Score 955.4; DB 3; Length 1477;  
Best Local Similarity 99.9%; Pred. No. 3.2e-279;  
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 60  
Db 231 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 290  
Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTTCATGGAATAGAAATGCAACCATGAG 120  
Db 291 TTGATCACTATGCTAGGACACATTAGGATGGTTCATGGAATAGAAATGCAACCATGAG 350  
Qy 121 CATCATCACTCAAGCTCCTTAAACAAGAAGATCTTGAAAAATTTGAGAGATGAGCGC 180  
Db 351 CATCATCACTCAAGCTCCTTAAACAAGAAGATCTTGAAAAATTTGAGAGATGAGCGC 410  
Qy 181 ATGAGCTCAGTAAGAGCTTTTGAGGTATCTGTATTATCCTTTGAAAAATTTGAGAGATG 240  
Db 411 ATGAGCTCAGTAAGAGCTTTTGAGGTATCTGTATTATCCTTTGAAAAATTTGAGAGATG 470  
Qy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 300  
Db 471 AGTCTTTGGGCTGCACTAAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 530

Qy 301 AGTTCGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360  
 ||||||||||||||||||  
 Db 531 AGTTCGAAAAATGTTAAAGAGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 590  
 ||||||||||||||||||  
 Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGATAAGTATAGAGACCAATACAACTGGTTC 420  
 ||||||||||||||||||  
 Db 591 ATGATGAGAAAAGCTTACAAATACGCCCTTGATAAGTATAGAGACCAATACAACTGGTTC 650  
 ||||||||||||||||||  
 Qy 421 TTCCTTGACGCCCCACTACGTTGCTATCATTTGAAAACCTAAAGTATTTTGTGTAATA 480  
 ||||||||||||||||||  
 Db 651 TTCCTTGACGCCCCACTACGTTGCTATCATTTGAAAACCTAAAGTATTTTGTGTAATA 710  
 ||||||||||||||||||  
 Qy 481 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540  
 ||||||||||||||||||  
 Db 711 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 770  
 ||||||||||||||||||  
 Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 600  
 ||||||||||||||||||  
 Db 771 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 830  
 ||||||||||||||||||  
 Qy 601 CTCATATCCGAGAAAAGTGTCTGAAACGGGAGGGATGATTTGGAAGATATCTGAAGAT 660  
 ||||||||||||||||||  
 Db 831 CTCATATCCGAGAAAAGTGTCTGAAACGGGAGGGATGATTTGGAAGATATCTGAAGAT 890  
 ||||||||||||||||||  
 Qy 661 AAAAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCGAGAAAATGCGAAGATGCT 720  
 ||||||||||||||||||  
 Db 891 AAAAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCGAGAAAATGCGAAGATGCT 950  
 ||||||||||||||||||  
 Qy 721 GATGAAAAGATGTATTAAATACCAAACTGTGTGGGCTTCTATTAAGAGGCAATGACT 780  
 ||||||||||||||||||  
 Db 951 GATGAAAAGATGTATTAAATACCAAACTGTGTGGGCTTCTATTAAGAGGCAATGACT 1010  
 ||||||||||||||||||  
 Qy 781 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTTACTTTTAAATGA 840  
 ||||||||||||||||||  
 Db 1011 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTTTCAGATATGGCTGTTACTTTTAAATGA 1070  
 ||||||||||||||||||  
 Qy 841 CTGACTCCAAATCAGATGCAATGTATGATGATGATGATGATGATGATGATGATGATGATG 900  
 ||||||||||||||||||  
 Db 1071 CTGACTCCAAATCAGATGCAATGTATGATGATGATGATGATGATGATGATGATGATGATG 1130  
 ||||||||||||||||||  
 Qy 901 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957  
 ||||||||||||||||||  
 Db 1131 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1187  
 ||||||||||||||||||

RESULT 15  
 US-09-513-999C-1156  
 : Sequence 1156, Application US/09513999C  
 : Patent No. 6783961  
 : GENERAL INFORMATION:  
 : APPLICANT: Dumas Milne Edwards, J.B.  
 : APPLICANT: Duclert, A.  
 : APPLICANT: Giordano, J.Y.  
 : TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
 : Patent No. 6783961  
 : FILE REFERENCE: 59.US2.REG  
 : CURRENT APPLICATION NUMBER: US/09/513,999C

Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGATAAGTATAGAGACCAATACAACTGGTTC 420  
 ||||||||||||||||||  
 Db 534 ATGATGAG-AAAAGCTTACAAATACGCCCTTGATAAGTATAGAGACCAATACAACTGGTTC 592  
 ||||||||||||||||||  
 Qy 421 TTCCTTGACGDC 432  
 |||||||  
 Db 593 TTCCTTGACGDC 604

Search completed: April 7, 2006, 01:30:46  
 Job time : 223 secs

: CURRENT FILING DATE: 2000-02-24  
 : PRIOR APPLICATION NUMBER: US 60/122,487  
 : PRIOR FILING DATE: 1999-02-26  
 : NUMBER OF SEQ ID NOS: 36681  
 : SOFTWARE: Patent.pm  
 : SEQ ID NO 1156  
 : LENGTH: 604  
 : TYPE: DNA  
 : ORGANISM: Homo sapiens  
 : FEATURE:  
 : NAME/KEY: CDS  
 : LOCATION: 174..602  
 : FEATURE:  
 : NAME/KEY: misc\_feature  
 : LOCATION: 133  
 : OTHER INFORMATION: n=a, g, c or t  
 : FEATURE:  
 : NAME/KEY: misc\_feature  
 : LOCATION: 135  
 : OTHER INFORMATION: w=a or t  
 : FEATURE:  
 : NAME/KEY: misc\_feature  
 : LOCATION: 137  
 : OTHER INFORMATION: n=a, g, c or t  
 : FEATURE:  
 : NAME/KEY: misc\_feature  
 : LOCATION: 140  
 : OTHER INFORMATION: k=g or t  
 US-09-513-999C-1156

Query Match 43.9%; Score 420; DB 3; Length 604;  
 Best Local Similarity 99.8%; Pred. No. 4.6e-117;  
 Matches 431; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 ATGCTTTCTGAAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTGCT 60  
 ||||||||||||||||||  
 Db 174 ATGCTTTCTGAAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTGCT 233  
 ||||||||||||||||||  
 Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAAATAGAAATGCCACCATGAG 120  
 ||||||||||||||||||  
 Db 234 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAAATAGAAATGCCACCATGAG 293  
 ||||||||||||||||||  
 Qy 121 CATCATCACCTACAAGCTCCTAAACAAAGAGATATCTTGAAAATTTGAGAGGATGAGCGC 180  
 ||||||||||||||||||  
 Db 294 CATCATCACCTACAAGCTCCTAAACAAAGAGATATCTTGAAAATTTGAGAGGATGAGCGC 353  
 ||||||||||||||||||  
 Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCCTTGTAAAAACCAAGATGTG 240  
 ||||||||||||||||||  
 Db 354 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCCTTGTAAAAACCAAGATGTG 413  
 ||||||||||||||||||  
 Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300  
 ||||||||||||||||||  
 Db 414 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 473  
 ||||||||||||||||||  
 Qy 301 AGTTCGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360  
 ||||||||||||||||||  
 Db 474 AGTTCGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 533  
 ||||||||||||||||||

DR N-PSDB; AAA96501.

PT New human transmembrane proteins are used to treat a disease or condition

PT associated with decreased expression of functional HTPP e.g. Tourette's

PT disorder, angina and leukemia.

XX Disclosure; Page 105-106; 130pp; English.

XX The present sequence represents a human transmembrane proteins (HTMP).

CC Agonists and antagonists of the protein are used to treat a disease or

CC condition associated with overexpression of the protein. Diseases and

CC conditions which can be treated include cell proliferative,

CC immunological, reproductive, smooth muscle and neurological disorders

CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency

CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,

CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The

CC polynucleotides may be used to detect and quantify gene expression in

CC biopsied tissues where protein expression may be correlated with disease

CC e.g. to determine absence, presence or excess expression of HTMP or to

CC monitor regulation of HTMP expression during therapeutic intervention

XX SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;

Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLESSESLKGVMLSGIFCALITMLGHRIGCHGRNHHHHLQAPNKEDILKISDER 60

DB 1 MLESSESLKGVMLSGIFCALITMLGHRIGCHGRNHHHHLQAPNKEDILKISDER 60

QY 61 MELSKSFRVYCIILVKKPQDVLAAVAVKWTWKCDKAEFFSENVKVFESINMDNDMWL 120

DB 61 MELSKSFRVYCIILVKKPQDVLAAVAVKWTWKCDKAEFFSENVKVFESINMDNDMWL 120

QY 121 MMEKAYKAFDKYRDQYNMFFLAPPTTFATLNLKYFLKKDPSPQPFYLGHTIKSGDLEY 180

DB 121 MMEKAYKAFDKYRDQYNMFFLAPPTTFATLNLKYFLKKDPSPQPFYLGHTIKSGDLEY 180

QY 181 VMEGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISDEKQLAVCLKYAGVFAENAEDA 240

DB 181 VMEGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISDEKQLAVCLKYAGVFAENAEDA 240

QY 241 DCKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTYGVYRLRFG 300

DB 241 DCKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTYGVYRLRFG 300

QY 301 HIFNDALVFLPPNGSDND 318

DB 301 HIFNDALVFLPPNGSDND 318

RESULT 3

ID ADC78653 standard; protein; 318 AA.

XX

AC ADC78653;

XX 01-JAN-2004 (first entry)

XX Human PRO310 protein.

XX antinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;

KW neurotropic; neuroprotective; vasotropic; chemotactic; angiogenic;

KW neurotrophic; osteopathic; antiasthmatic; antiarthritic; antirheumatic;

KW antiarteriosclerotic; cardiant; antidiabetic; cerebroprotective;

KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;

KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;

KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;

KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;

KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;

KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;

KW diabetes; stroke; gene therapy; transgenic; PRO; human.

XX Homo sapiens.

OS WO200015796-A2.

PN 23-MAR-2000.

XX 15-SEP-1999; 99WO-US021090.

XX 16-SEP-1998; 98WO-US019330.

XX (GETH ) GENENTECH INC.

XX Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;

PI Yuan J;

XX WPI; 2000-271434/23.

DR N-PSDB; ADC78652.

XX Novel nucleic acids encoding secreted and transmembrane polypeptides with

PT homology, e.g. to growth and cancer-associated antigens.

XX Claim 12; SEQ ID NO 341; 355pp; English.

XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.

CC The polypeptides and polynucleotides of the invention may be useful as

CC research tools and as therapeutics for treating enterocolitis, Zollinger-

CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,

CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal

CC scarring and wound healing, nerve repair, thrombosis, bone and/or

CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple

CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,

CC infertility, premature aging, AIDS, diabetes complications and stroke.

CC The molecules may also be utilised during gene therapy procedures and

CC transgenic animal production. The current sequence is that of the human

CC PRO protein of the invention.

XX SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;

Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MLSESSFLKGMVLSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISDER	60
Db	1	MLSESSFLKGMVLSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISDER	60
Qy	61	MELSKSFVRYCIILVFKDVSLSMAAVKETWTKHCDKAEFFSSSENKVFESINMDTNDMWL	120
Db	61	MELSKSFVRYCIILVFKDVSLSMAAVKETWTKHCDKAEFFSSSENKVFESINMDTNDMWL	120
Qy	121	MMKAYKAFADKYDQYNFFELARPTTFATIIENLKYFLLKKDPSQPFYLGHTIKSGDLEY	180
Db	121	MMKAYKAFADKYDQYNFFELARPTTFATIIENLKYFLLKKDPSQPFYLGHTIKSGDLEY	180
Qy	181	VMEGGIVLSVESMKRLNSLLNPEKPEOGGMWIKISEDQLAVCLKYAGVFAENAEDA	240
Db	181	VMEGGIVLSVESMKRLNSLLNPEKPEOGGMWIKISEDQLAVCLKYAGVFAENAEDA	240
Qy	241	DGKDVNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTGVYRLAEG	300
Db	241	DGKDVNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTGVYRLAEG	300
Qy	301	HIFNDALVFLPPNGSDND	318
Db	301	HIFNDALVFLPPNGSDND	318

RESULT 4  
AAB80270  
ID AAB80270 standard; protein; 318 AA.  
XX AC AAB80270;  
XX DT 24-APR-2001 (first entry)  
XX DE Human PRO310 protein.  
XX KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;  
KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;  
KW antiangiogenic; vasotropic; antiasthmatic; antirheumatic; cancer;  
KW antiarthritic; antinfertility; antidiabetic; antiviral; diabetes;  
KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;  
KW ischaemia; inflammation.  
XX OS Homo sapiens.  
XX PN WO200104311-A1.  
XX PD 18-JAN-2001.  
XX PF 22-FEB-2000; 2000WO-US004414.  
XX PR 07-JUL-1999; 99US-0143048P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 28-JUL-1999; 99US-0146222P.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.

KW	thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
KW	gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
KW	Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
KW	nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
KW	asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
KW	atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
KW	diabetes; stroke; gene therapy; transgenic; PRO; human; ss; gene.
XX	
OS	Homo sapiens.
XX	
PN	W0200015796-A2.
XX	
PD	23-MAR-2000.
XX	
PF	15-SEP-1999; 99WO-US021090.
XX	
XX	16-SEP-1998; 98WO-US019330.
XX	(GETH ) GENENTECH INC.
XX	
XX	Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;
PI	Yuan J;
PI	
XX	WPI; 2000-271434/23.
DR	P-PSDB; ADC78653.
XX	
PPT	Novel nucleic acids encoding secreted and transmembrane polypeptides with
PPT	homology, e.g. to growth and cancer-associated antigens.
XX	
PS	Claim 2; SEQ ID NO 340; 355pp; English.
XX	
CC	The invention relates to a novel nucleic acid encoding a PRO polypeptide.
CC	The polypeptides and polynucleotides of the invention may be useful as
CC	research tools and as therapeutics for treating enterocolitis, Zollinger-
CC	Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
CC	Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal
CC	scarring and wound healing, nerve repair, thrombosis, bone and/or
CC	cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
CC	sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
CC	infertility, premature aging, AIDS, diabetes complications and stroke.
CC	The molecules may also be utilised during gene therapy procedures and
CC	transgenic animal production. The current sequence is that of the human
CC	PRO cDNA of the invention.
XX	
SSQ	Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;
XX	
Query Match 100.0%; Score 957; DB 3; Length 1572;	
Best Local Similarity 100.0%; Pred. No. 7.8e-263;	
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0	
QY	1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGATGCTTGAAGCAATTTCTGTGCT 60
DB	
DB	81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGATGCTTGAAGCAATTTCTGTGCT 140
QY	61 TTGATCATATGCTAGGACACATAGATTTGGTCATGGAATAGATGACACCATGAG 120
DB	
DB	141 TTGATCATATGCTAGGACACATAGATTTGGTCATGGAATAGATGACACCATGAG 200

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Query Match      100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 7.8e-263;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Caps 0

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1	ATGCTTTCTGAAAGCAGCTCCTCTTTTGAAGGCTGTATGCTTGAAGCAATTTCTGTGCT	60
81	ATGCTTTCTGAAAGCAGCTCCTCTTTTGAAGGCTGTATGCTTGAAGCAATTTCTGTGCT	140
61	TTGATCATCTATGCTAGGACACATTAAGATTGCTCATGGAATATGAATGCAACCAATGAG	120
141	TTGATCATCTATGCTAGGACACATTAAGATTGCTCATGGAATATGAATGCAACCAATGAG	200

RESULT 5	
ADC78652	
ID	ADC78652 standard; cDNA; 1572 BP.
XX	
AC	ADC78652;
XX	
DT	01-JAN-2004 (first entry)
XX	
DE	Human PRO310 cDNA.
XX	
KW	antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;
KW	neutrophic; neuroprotective; vasotropic; chemotactic; angiogenic;
KW	neurotrophic; osteopathic; antiasthmatic; antiatriptic; antirheumatic;
KW	antiartherosclerotic; cardiant; antididiabetic; cerabroprotective;

Qy	121	CATCATCCTCAAGCTCTTAACAAGAAAGATATCTTGAAATTTTCAGAGGATGACGCG	180
Db	201	CATCATCCTCAAGCTCTTAACAAGAAAGATATCTTGAAATTTTCAGAGGATGACGCG	260
	181	ATGGAGCTCAGTAGAGCTTTCCGATGATATCTGTATATCTTGTAAACCACCAAGATGTG	240
Db	261	ATGGAGCTCAGTAGAGCTTTCCGATGATATCTGTATATCTTGTAAACCACCAAGATGTG	320
	241	AGTCTTTGGGCTCGCATTAAGAGAGACTTGGACAAAACACTGTGTGACAAAGCAGAGTCTTCTC	300
Db	321	AGTCTTTGGGCTCGCATTAAGAGAGACTTGGACAAAACACTGTGTGACAAAGCAGAGTCTTCTC	380
	301	AGTTCTGAAATTTGTTAAAGTGTTTGAGTCAATTAATATGGACAATAATGACATGTGGTTA	360
Db	381	AGTTCTGAAATTTGTTAAAGTGTTTGAGTCAATTAATATGGACAATAATGACATGTGGTTA	440
	361	ATGATGAGAAAGCTTACAATACGCGCTTTGATAGTATAGAGACCAATACAACTGGTTC	420
Db	441	ATGATGAGAAAGCTTACAATACGCGCTTTGATAGTATAGAGACCAATACAACTGGTTC	500
	421	TTCTCTTGCAAGCCCACTAGTGTGCTATCATTTGAAAACCTAAAGTATTTTTTGTAAAA	480
Db	501	TTCTCTTGCAAGCCCACTAGTGTGCTATCATTTGAAAACCTAAAGTATTTTTTGTAAAA	560
	481	AAGGATCCATCAGAGCCCTTCTATCTAGGCGACACTATAAATCTGGAGACCTTGAATAT	540
Db	561	AAGGATCCATCAGAGCCCTTCTATCTAGGCGACACTATAAATCTGGAGACCTTGAATAT	620
	541	GTGGGTAATGGAAGAGGAAATGTGCTTAAGTGTAGATCAATGAAAAGACTTAACAGCCTT	600
Db	621	GTGGGTAATGGAAGAGGAAATGTGCTTAAGTGTAGATCAATGAAAAGACTTAACAGCCTT	680
	601	CTCAATATCCCAAGAAAGTGTCTGCAAGAGGAGGAGATTTTGAAGATATCTGAAGAT	660
Db	681	CTCAATATCCCAAGAAAGTGTCTGCAAGAGGAGGAGATTTTGAAGATATCTGAAGAT	740
	661	AAACAGCTAGCAGTTTGCTCGAATATGCTGGAGTATTTGCAAGAAATCGACAGATGCT	720
Db	741	AAACAGCTAGCAGTTTGCTCGAATATGCTGGAGTATTTGCAAGAAATCGACAGATGCT	800
	721	GATGGAAAAGATGTATTTAATAACCAATCTGTGGGCTTTCTATTAAGAGGCAATGACT	780
Db	801	GATGGAAAAGATGTATTTAATAACCAATCTGTGGGCTTTCTATTAAGAGGCAATGACT	860
	781	TATCACCCCAACAGGTAGTAGAGGCTGTGTTTCAGATATGGCTGTACTTTAATGGA	840
Db	861	TATCACCCCAACAGGTAGTAGAGGCTGTGTTTCAGATATGGCTGTACTTTAATGGA	920
	841	CTGACTCCAAATCAGATGCAATGATGTATGGGGTATACCGCCTTAGGGCAATTTGGG	900
Db	921	CTGACTCCAAATCAGATGCAATGATGTATGGGGTATACCGCCTTAGGGCAATTTGGG	980
	901	CATATTTTCATGATGCATGGTCTTCTACCTCCAAATGGTCTGACATGACTGA	957
Db	981	CATATTTTCATGATGCATGGTCTTCTACCTCCAAATGGTCTGACATGACTGA	1037